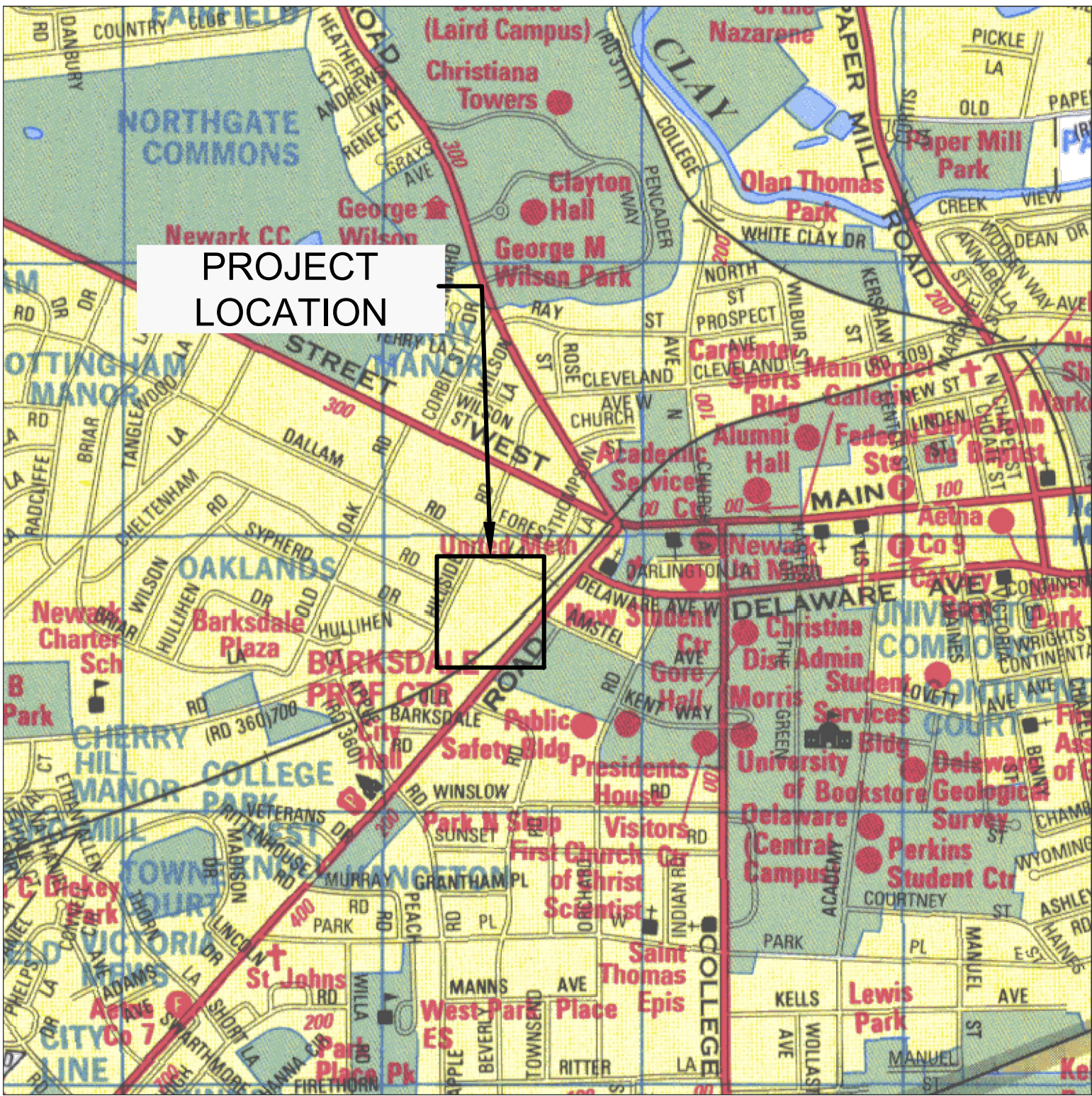


CITY OF NEWARK
PUBLIC WORKS & WATER RESOURCES DEPARTMENT
NEW CASTLE COUNTY, DELAWARE

RODNEY COMPLEX - DEMOLITION

CONTRACT NO. 19-08
103 HILLSIDE ROAD, NEWARK DE 19711

DRAWING INDEX		
DRAWING NO.	SHEET NO.	SHEET TITLE
1	1 OF 9	TITLE SHEET
2	2 OF 9	GENERAL NOTES
3	3 OF 9	EXISTING CONDITIONS PLAN
4	4 OF 9	SITE CONTROLS
5	5 OF 9	UTILITY DEMOLITION PLAN
6	6 OF 9	DEMOLITION PLAN
7	7 OF 9	EROSION AND SEDIMENTATION CONTROL PLAN
8	8 OF 9	EROSION AND SEDIMENTATION CONTROL DETAILS
9	9 OF 9	GENERAL DETAILS



LOCATION MAP
SCALE: NOT TO SCALE



BEFORE YOU DIG CALL
1-800-282-8555 (in Del.)
1-800-441-8355 (Md., Va.)
PROTECT YOURSELF. GIVE TWO
WORKING DAYS NOTICE.

MISS UTILITY
OF
DELMARVA

PREPARED BY:



ENGINEER SEAL



REV.	DESCRIPTION	DRAWN	DATE
1	—	—	—
2	—	—	—
3	—	—	—
4	—	—	—
5	—	—	—
6	—	—	—

PREPARED FOR:



APPROVALS	DATE
DRAWN BY: AB	4-12-19
CHECKED BY: RK	4-12-19
ENGINEER: CB	4-12-19
OPERATIONS:	
REVISION:	

CITY OF NEWARK PUBLIC WORKS & WATER RESOURCES DEPARTMENT RODNEY COMPLEX - DEMOLITION CONTRACT NO. 19-08	
SHEET TITLE: TITLE SHEET	
SCALE: AS NOTED	DWG NO. 1
SHEET NO: 1 OF 9	

GENERAL NOTES

1.

EXISTING BOUNDARY AND TOPOGRAPHICAL DATA IS BASED ON A SITE SURVEY PERFORMED BY JMT IN APRIL OF 2017. SURVEY CONTROLS ARE BASED ON THE DELAWARE COORDINATE SYSTEM HORIZONTAL NAD 83/91 AND VERTICAL NAVD 88.
2.

ALL SURVEY AND STAKE-OUT WORK SHALL BE PERFORMED BY A LAND SURVEYOR LICENSED IN THE STATE OF DELAWARE.
3.

ALL ELEVATIONS ARE IN FEET.
4.

ALL EXISTING SITE CONDITIONS SHOWN ON THESE PLANS ARE BASED ON LIMITED FIELD SURVEY, VISUAL SITE RECONNAISSANCE, AND/OR OTHER AVAILABLE DATA, THUS ARE TO BE CONSIDERED APPROXIMATE. THE CONTRACTOR SHALL INSPECT THE SITE PRIOR TO BIDDING AND CONSTRUCTION. PRIOR TO AND DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THESE PLANS TO RESOLVE THESE ISSUES. SHOULD THE CONTRACTOR PROCEED WITH THE WORK MAKING FIELD CORRECTIONS OR ADJUSTMENTS WITHOUT NOTIFYING THE OWNER, THE CONTRACTOR WILL ASSUME ALL RESPONSIBILITIES FOR THOSE CHANGES.
5.

CONTRACTOR SHALL NOTIFY MISS UTILITY OF DELAWARE 72 HOURS BEFORE START OF CONSTRUCTION AND BEFORE DIGGING. CALL 1(800) 282-8555.
6.

CONTRACTOR SHALL NOTIFY TIM FILASKY PE, CITY OF NEWARK PUBLIC WORKS AND WATER RESOURCES DIRECTOR AT 302-366-7000 AT LEAST 72 HOURS BEFORE START OF CONSTRUCTION.
7.

CONTRACTOR SHALL NOTIFY CAITLIN OLSEN UNIVERSITY OF DELAWARE MANAGER OF COMMUNITY RELATIONS AND SPECIAL EVENTS AT 302-831-6978 AT LEAST 72 HOURS BEFORE START OF CONSTRUCTION.
8.

UNLESS OTHERWISE NOTED AND AS APPLICABLE TO THE WORK, ALL CONSTRUCTION, MATERIALS, AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE:

A.

CITY OF NEWARK DELAWARE MUNICIPAL CODE

B.

CITY OF NEWARK DEPARTMENT OF PUBLIC WORKS AND WATER RESOURCES WATER AND WASTEWATER STANDARDS AND SPECIFICATIONS.

C.

CITY OF NEWARK STANDARD SPECIFICATIONS FOR ROAD AND UTILITY CONSTRUCTION, DETAILS AND SUPPLEMENTS.

D.

DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND DETAILS

E.

DELAWARE SEDIMENT AND STORMWATER REGULATIONS (SEE EROSION AND SEDIMENT CONTROL NOTE 1).
7.

WHERE REFERENCES ARE MADE TO STANDARDS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE IN ITS POSSESSION THE LATEST UP-TO-DATE STANDARDS AS OF THE DATE OF ADVERTISEMENT OF THIS PROJECT.
8.

ALL AREAS DISTURBED BY THE CONTRACTOR, WHETHER DISTURBED DIRECTLY OR INDIRECTLY BY THE CONSTRUCTION OR OTHER ACTIVITIES RELATED TO THE PERFORMANCE OF THIS PROJECT, SHALL BE RETURNED TO EQUAL OR BETTER THAN THE ORIGINAL CONDITION PRIOR TO FINAL ACCEPTANCE OF THE WORK. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ALL EXISTING UTILITIES, CURBS, SIDEWALK, PAVING, SHRUBS, FENCING, ETC. ANY AND ALL DAMAGE DONE TO SAME SHALL BE IMMEDIATELY AND COMPLETELY REPAIRED AT CONTRACTOR'S EXPENSE.
9.

UNLESS NOTED OTHERWISE, ALL MATERIALS SALVAGED DURING DEMOLITION AND CONSTRUCTION SHALL BECOME THE CONTRACTOR'S PROPERTY AND SHALL BE DISPOSED OF OFF-SITE IN A LAWFUL LOCATION AND MANNER. ALL FEES ASSOCIATED WITH OFF-SITE DISPOSAL SHALL BE PAID BY THE CONTRACTOR.
10.

PRIOR TO MOBILIZATION OR AS NOTED OTHERWISE, HAZARDOUS MATERIALS WILL BE REMOVED BY OTHERS UNDER SEPARATE CONTRACT IN ACCORDANCE WITH THE CONTAMINATED MATERIALS MANAGEMENT PLAN PREPARED BY BRIGHTFIELDS INC. DATED SEPTEMBER 2018.
11.

TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED, MONITORED, AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED E&SC PLANS INCLUDED HEREIN.
12.

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH HAVE OCCURRED BY HIS/HER FAILURE NOT TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES AFFECTING HIS/HER WORK. ITEMS SHALL BE REPLACED WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED OR DAMAGED DURING CONSTRUCTION OR AS DIRECTED BY THE ENGINEER.
13.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATION AND ACTIVITIES OF HIS FORCES WITH THE OWNER, AND ABUTTING PROPERTY OWNERS TO MINIMIZE INTERFERENCE WITH EXISTING UTILITIES, PEDESTRIAN TRAFFIC, AND PROPERTY ACCESS. PEDESTRIAN AND VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING CITY OF NEWARK DEPARTMENT OF PUBLIC WORKS AND WATER RESOURCES PROJECT MANAGER TIM FILASKY AT 302-366-7000, 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
14.

THE PLANS AND SPECIFICATIONS DO NOT INCLUDE PROVISIONS FOR CONSTRUCTION SAFETY. A HEALTH AND SAFETY PLAN MUST BE DEVELOPED BY CONTRACTOR PRIOR TO STARTING WORK.
15.

THE CONTRACTOR SHALL ACQUIRE ALL PERMITS PRIOR TO STARTING CONSTRUCTION AT NO COST TO THE CITY OF NEWARK.
16.

METHODS, PROCEDURES AND THE SEQUENCES OF CONSTRUCTION (OTHER THAN THAT NOTED ON THE DRAWINGS) ARE THE RESPONSIBILITY OF THE CONTRACTORS(S).
17.

THE CONTRACTOR SHALL KEEP ROADWAYS CLEAN AT ALL TIMES. ALL SOIL SPILLED, DROPPED, WASHED OR TRACKER ONTO ROADWAYS OR OTHER IMPERVIOUS SURFACES MUST BE REMOVED IMMEDIATELY BY CONTRACTOR.
18.

THE CONTRACTOR SHALL AT ALL TIMES MAINTAIN A JOBSITE FREE OF LITTER AND TRASH. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THE SITE AT THE END OF THE DAY TO CLEAN UP ANY TRASH OR LITTER GENERATED BY THE PERSONNEL AND SUBCONTRACTORS WORKING FOR THE CONTRACTOR AND DISPOSE OF DEBRIS PROPERLY.
19.

SCANS OF AVAILABLE EXISTING DRAWINGS HAVE BEEN PROVIDED FOR INFORMATION PURPOSES ONLY. THE CITY IS NOT RESPONSIBLE FOR ANY INFORMATION SHOWN OR DERIVED FROM THESE PLANS.

EROSION AND SEDIMENT CONTROL NOTES

1.

THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES NECESSARY TO CONSTRUCT THE WORK OUTLINED IN THE PLANS AND SPECIFICATIONS IN ACCORDANCE WITH THE 3.06.1 DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK, FEBRUARY 2019, (DNREC) INCLUDING ALL REVISIONS FOLLOWING THIS DATE AND THESE PLANS. PAYMENT TO FURNISH, INSTALL, MAINTAIN AND REMOVE ALL NECESSARY EROSION AND SEDIMENT CONTROL DEVICES/MEASURES SHALL BE INCIDENTAL TO THE WORK BEING PERFORMED AT EACH SITE PER PLANS.
2.

THE CONTRACTOR SHALL INSPECT THE INTEGRITY AND FUNCTIONALITY OF E&S MEASURES FOLLOWING RAIN EVENTS. REPAIRS SHALL BE MADE AS NECESSARY. PAYMENT FOR REPAIRING OR REPLACEMENT OF E&S MEASURES SHALL BE INCIDENTAL TO THE WORK ITEMS BEING PERFORMED AT EACH SITE.
3.

EXISTING TREES, BUSHES, AND SHRUBS SHALL BE PROTECTED BY THE CONTRACTOR FROM ALL DAMAGE.
4.

ALL EXCAVATION MUST BE SLOPED TO DRAIN TO ONE CENTRAL SUMP LOCATION.

AIR MONITORING REQUIREMENTS DURING DEMOLITION

1.

AIR MONITORING DURING DEMOLITION WILL BE PAID FOR BY THE CITY OF NEWARK. THE CONTRACTOR IS RESPONSIBLE TO PAY FOR SHIPPING AND TESTING OF AIR SAMPLES FOLLOWING AN EXCEEDANCE AS FURTHER DESCRIBED IN NOTE 5 OF THIS SECTION.
2.

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS INCLUDING BUT NOT LIMITED TO:

A.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA):

i.

29 CFR 1910 GENERAL INDUSTRY STANDARDS

ii.

29 CFR 1910.134 RESPIRATORY PROTECTION

iii.

29 CFR 1926 CONSTRUCTION INDUSTRY STANDARDS

B.

ENVIRONMENTAL PROTECTION AGENCY (EPA):

i.

40 CFR PART 261 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGULATIONS

ii.

40 CFR PART 61 NATIONAL EMISSIONS STANDARD FOR HAZARDOUS AIR POLLUTANTS;

3.

DURING ACTIVE DEMOLITION SILICA SAMPLE PUMPS AND DUST METER PUMPS WILL BE PLACED THROUGHOUT THE PROJECT SITE. THE LOCATION OF THE DUST METERS IS DETERMINED BY THE ONSITE FIELD INSPECTOR AND WILL VARY DEPENDING UPON WEATHER CONDITIONS, AND THE WORK THAT WILL BE PERFORMED DURING THE DAY. THE DUST METERS WILL BE FITTED WITH A PM10 (PARTICULATE MATTER 10µM) FILTER, SO THAT ONLY PM10 AND SMALLER PARTICLES WILL BE MEASURED.

4.

THE FIELD INSPECTOR WILL ROUTINELY MONITOR THE DUST METERS AND NOTE WHEN PM10 CONCENTRATIONS APPROACH THE ACTION LEVEL OR EXCEED THE STOP WORK LEVEL. THE PM10 CONCENTRATION WILL BE USED AS A CONSERVATIVE ESTIMATE FOR SILICA CONCENTRATION.

A.

PM10 CONCENTRATION ACTION LEVEL IS 0.025 MG/M³. IF THE DUST METER SHOWS THAT THE SILICA ACTION LEVEL IS EXCEEDED, CONTROL MEASURES, SUCH AS WETTING THE AREAS BEING DISTURBED, SHALL BE IMPLEMENTED BY THE CONTRACTOR AT THEIR EXPENSE AND INCIDENTAL TO THE PROJECT COST.

B.

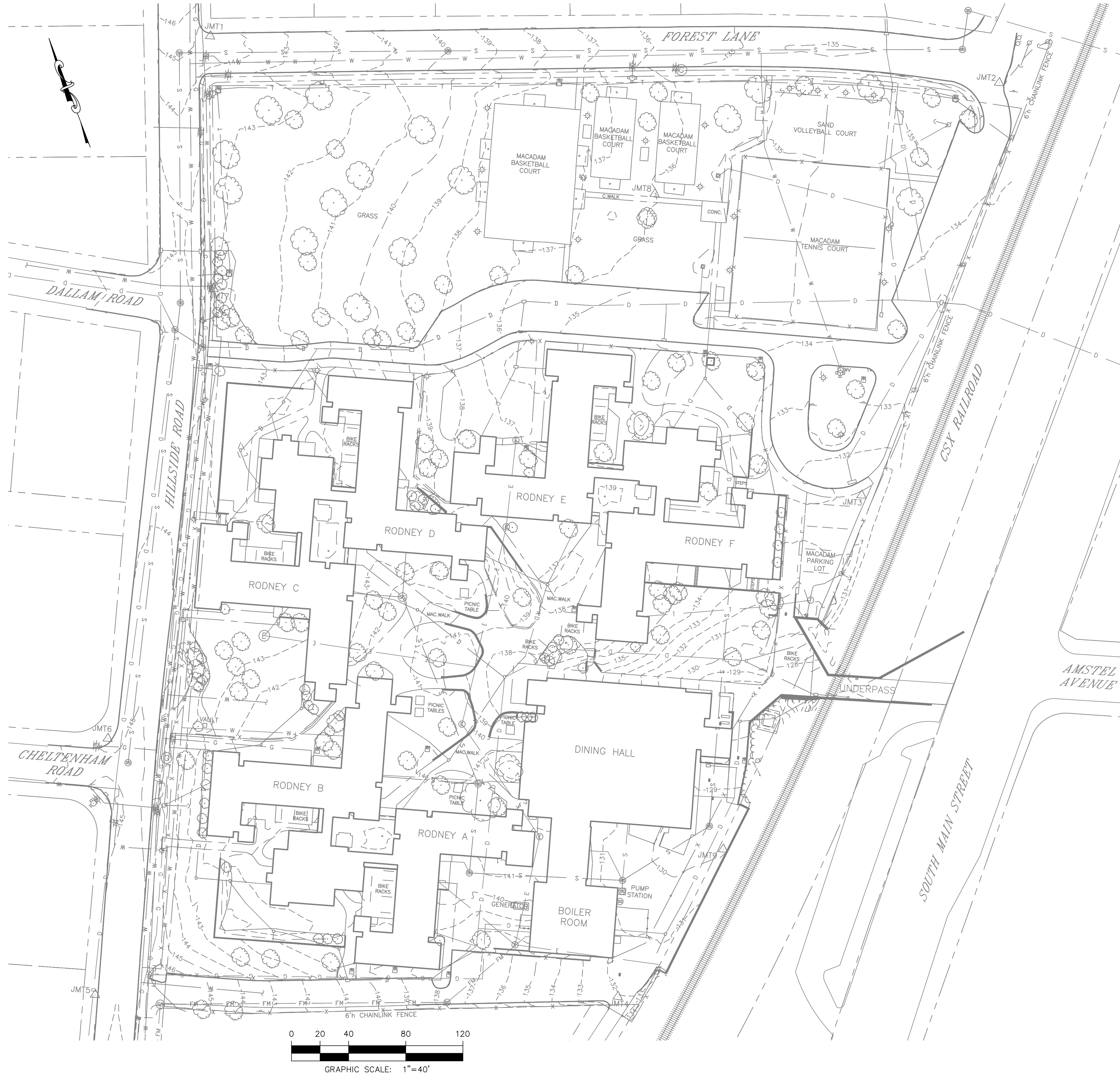
PM10 CONCENTRATION STOP WORK LEVEL IS 0.040 MG/M³. IF THE DUST METER SHOWS THAT THE STOP WORK LEVEL IS EXCEEDED, WORK WILL IMMEDIATELY CEASE AND CORRECTIVE ACTIONS MUST BE IMPLEMENTED. CONTROL MEASURES WILL BE IMPLEMENTED UNTIL THE CONCENTRATION OF PM10 IS BELOW 0.025 MG/M³. DO NOT RECOMMENCE WORK UNTIL AUTHORIZED IN WRITING BY ENGINEER. ALL CONTROL MEASURES SHALL BE COMPLETED AT THE EXPENSE OF THE CONTRACTOR.

5.

IF AT THE END OF AN 8-HOUR WORKDAY, THE CALCULATED TIME-WEIGHTED AVERAGE FOR PM10 EXCEEDS 0.050 MG/M³, THE SILICA SAMPLE COLLECTED NEXT TO THE DUST METER WHICH SHOWS THE EXCEEDANCE WILL BE SUBMITTED TO THE LABORATORY FOR ANALYSIS OF THE TOTAL OR RESPIRABLE CRYSTALLINE SILICA, ALL SPECIES AIR, ALPHA QUARTS, CRISTOBALITE, AND TRIDYMITE VIA NIOSH 7500MOD ON A 24 HOUR TURN AROUND TIME. BASED ON THE LABORATORY RESULTS, CHANGES IN DEMOLITION PRACTICES MAY BE WARRANTED. ALL COSTS INCURRED FOR CHANGES IN DEMOLITION PRACTICES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF SHIPPING THE SAMPLE TO THE LABORATORY OF THE OWNER'S CHOICE AND ALL LABORATORY SAMPLING COSTS. SHIPPING AND LABORATORY COSTS WILL BE DEDUCTED FROM THE OVERALL LUMP SUM BID PRICE FOR DEMOLITION AT THE TIME THE CONTRACTOR SUBMITS PAYMENT.

<div><div><div><div><div></div><div>MISS UTILITY OF DELAWARE</div><div>BEFORE YOU DIG CALL 1-800-282-8555 (in Del.) 1-800-441-8355 (Md., Va.) PROTECT YOURSELF, GIVE TWO WORKING DAYS NOTICE</div></div></div><div><div>MISS UTILITY OF DELMARVA</div></div></div></div>	<div><div>PREPARED BY:</div><div><div><div><div></div><div>JMT</div><div>JOHNSON, MIRMIRAN & THOMPSON</div><div>Engineering A Brighter Future®</div></div></div><div>121 Continental Drive, Suite 300 Newark, DE 19713</div></div></div>
--	--

 ENGINEER SEAL JOHNSON, MIRMIRAN & THOMPSON No. 12776 DELAWARE PROFESSIONAL ENGINEER | REV. △ △ △ △ △ △ △ △ | DESCRIPTION — — — — — — — — | DRAWN — — — — — — — — | DATE — — — — — — — — | PREPARED FOR: NEWARK DELAWARE Committed to Service Excellence 220 SOUTH MAIN STREET 302-366-7000 | APPROVALS DRAWN BY: AB CHECKED BY: RK ENGINEER: CB OPERATIONS: REVISION: | DATE 4-12-19 4-12-19 4-12-19 | CITY OF NEWARK PUBLIC WORKS & WATER RESOURCES DEPARTMENT RODNEY COMPLEX - DEMOLITION CONTRACT NO. 19-08 SHEET TITLE: GENERAL NOTES SCALE: AS NOTED SHEET NO: 2 OF 9 DWG NO. 2 |
- Q:\2016\161976_002_Redevelopment_of_the\CAD\Demo Plans\Rodney Demo.dwg



LEGEND

- EX. PAVEMENT
- EX. CURB
- EX. BUILDING
- EX. WALL
- EX. PARCEL LINE
- EX. SIDEWALK
- EX. CONTOUR LINE
- EX. STORM SEWER PIPE
- EX. SEWER
- EX. WATER MAIN
- EX. WATER VALVE
- EX. FENCE
- EX. TELECOMMUNICATIONS
- EX. UNDERGROUND ELECTRIC
- EX. UTILITY POLE
- EX. ELECTRIC MANHOLE
- EX. TREE
- EX. GAS MAIN
- EX. GAS VALVE
- EX. TRAVERSE POINT
- EX. STORM CATCH BASIN
- EX. HAND BOX
- EX. LIGHT
- EX. FIRE HYDRANT
- EX. SEWER MANHOLE

JMT SURVEY TRAVERSE CONTROL COORDINATE TABLE

POINT	NORTHING	EASTING	GRADE EL.	DESCRIPTION
JMT1	613144.49	559638.87	144.65	TRAV
JMT2	612904.51	560173.96	134.43	TRAV
JMT3	612654.49	559969.92	131.75	TRAV
JMT4	612370.79	559668.87	132.06	TRAV,MAG,NAIL
JMT5	612509.70	559306.74	145.87	TRAV,R&C
JMT6	612684.07	559382.93	144.96	TRAV
JMT7	612968.20	559574.78	143.01	TRAV
JMT8	612917.98	559905.76	136.02	TRAV,R&C
JMT9	612445.32	559780.71	129.90	TRAV,MAG,NAIL



BEFORE YOU DIG CALL
1-800-282-8555 (in Del.)
1-800-441-8355 (Md., Va.)
PROTECT YOURSELF. GIVE TWO
WORKING DAYS NOTICE.

MISS UTILITY
OF
DELMARVA

PREPARED BY:



ENGINEER SEAL



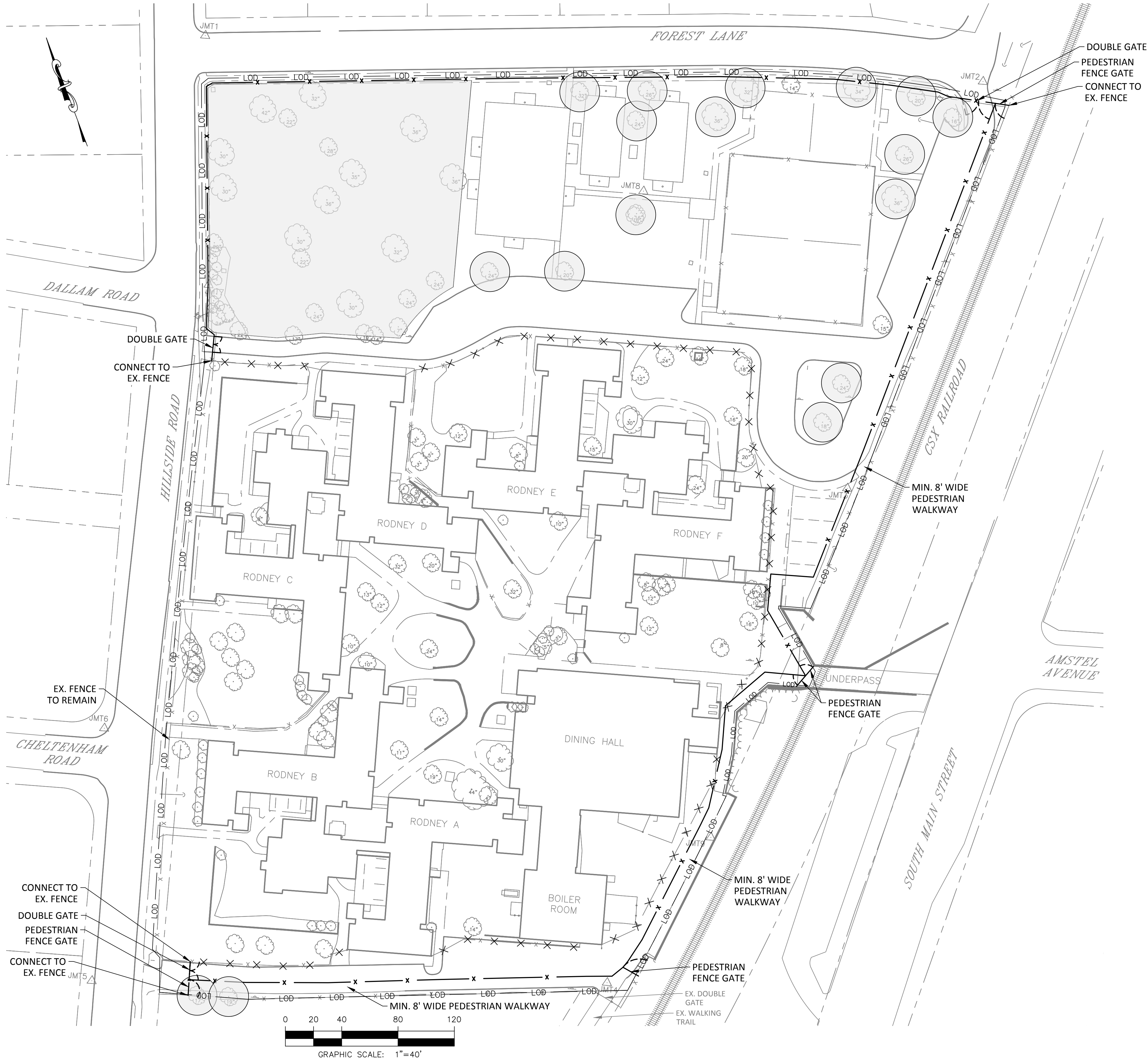
REV.	DESCRIPTION	DRAWN	DATE
1			
2			
3			
4			
5			
6			

PREPARED FOR:



APPROVALS	DATE
DRAWN BY: AB	4-12-19
CHECKED BY: RK	4-12-19
ENGINEER: CB	4-12-19
OPERATIONS:	
REVISION:	

CITY OF NEWARK PUBLIC WORKS & WATER RESOURCES DEPARTMENT	
RODNEY COMPLEX - DEMOLITION CONTRACT NO. 19-08	
SHEET TITLE: EXISTING CONDITIONS PLAN	
SCALE: AS NOTED	DWG NO.
SHEET NO: 3 OF 9	3



LEGEND

- EX. PAVEMENT
- EX. CURB
- EX. BUILDING
- EX. WALL
- EX. PARCEL LINE
- EX. SIDEWALK
- EX. CONTOUR LINE
- EX. STORM SEWER PIPE
- EX. SEWER
- EX. WATER MAIN
- EX. WATER VALVE
- EX. FENCE
- EX. TELECOMMUNICATIONS
- EX. UNDERGROUND ELECTRIC
- EX. UTILITY POLE
- EX. ELECTRIC MANHOLE
- EX. TREE
- EX. GAS MAIN
- EX. GAS VALVE
- EX. TRAVERSE POINT
- EX. STORM CATCH BASIN
- EX. HAND BOX
- EX. LIGHT
- EX. FIRE HYDRANT
- EX. SEWER MANHOLE
- LIMIT OF DISTURBANCE
- PROP. CHAIN LINK FENCE
- TREE PROTECTION AREA
- EX. FENCE TO BE REMOVED

SHEET NOTES

- CONTRACTOR MAY ADJUST ENTRANCE/EXIT LOCATIONS TO SUIT THEIR MEANS AND METHODS TO COMPLETE THE WORK. PROPOSED ENTRANCE/EXIT LOCATIONS ARE SUBJECT TO THE REVIEW OF THE ENGINEER.
- CONTRACTOR MUST INSTALL FENCING BEFORE ANY DEMOLITION ACTIVITIES CAN OCCUR.
- THE PROPOSED FENCING MUST BE INSTALLED BEFORE ANY EXISTING FENCING IS DEMOLISHED.
- THE FENCING ALONG HILLSIDE ROAD IS TO REMAIN AS INDICATED ON THE PLAN SHEET. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE PROPOSED FENCE WITH THE EXISTING FENCE TO ENSURE SITE SECURITY.
- IT IS THE CONTRACTORS RESPONSIBILITY TO MAINTAIN BOTH THE EXISTING AND PROPOSED FENCING THROUGHOUT THE DURATION OF THE PROJECT. ALL COSTS ASSOCIATED WITH FENCE MAINTENANCE IS THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE TO MAINTAIN AN 8-FOOT WIDE PEDESTRIAN WALKWAY DURING PROJECT. CONTRACTOR MAY AT THEIR DISCRETION CLOSE PEDESTRIAN FENCE GATES DURING DEMOLITION ACTIVITIES THAT WARRANT CLOSURE OF THE PEDESTRIAN WALKWAY. PEDESTRIAN WALKWAY MUST BE AVAILABLE FOR USE BY THE PUBLIC AT TIMES WHEN DEMOLITION ACTIVITIES ARE NOT OCCURRING. CLOSURE OF PEDESTRIAN ACCESS GATES REQUIRES APPROVAL FROM THE OWNER AND SHALL BE COMMUNICATED IN WRITING WITH 48 HOURS NOTICE.
- PROPOSED FENCING AND ALL GATES SHALL REMAIN AFTER COMPLETION OF THE PROJECT.
- CONTRACTOR IS RESPONSIBLE TO INSTALL AND MAINTAIN THE TREE PROTECTION FENCING AS SHOWN ON THE PLANS. TREE PROTECTION FENCING AREAS FOR CLUSTERS OF TREES AND TREE PROTECTION FOR INDIVIDUAL TREES TO REMAIN AFTER COMPLETION OF THE PROJECT.



BEFORE YOU DIG CALL
1-800-282-8555 (in Del.)
1-800-441-8355 (Md., Va.)
PROTECT YOURSELF. GIVE TWO
WORKING DAYS NOTICE.

MISS UTILITY
OF
DELMARVA

PREPARED BY:



ENGINEER SEAL



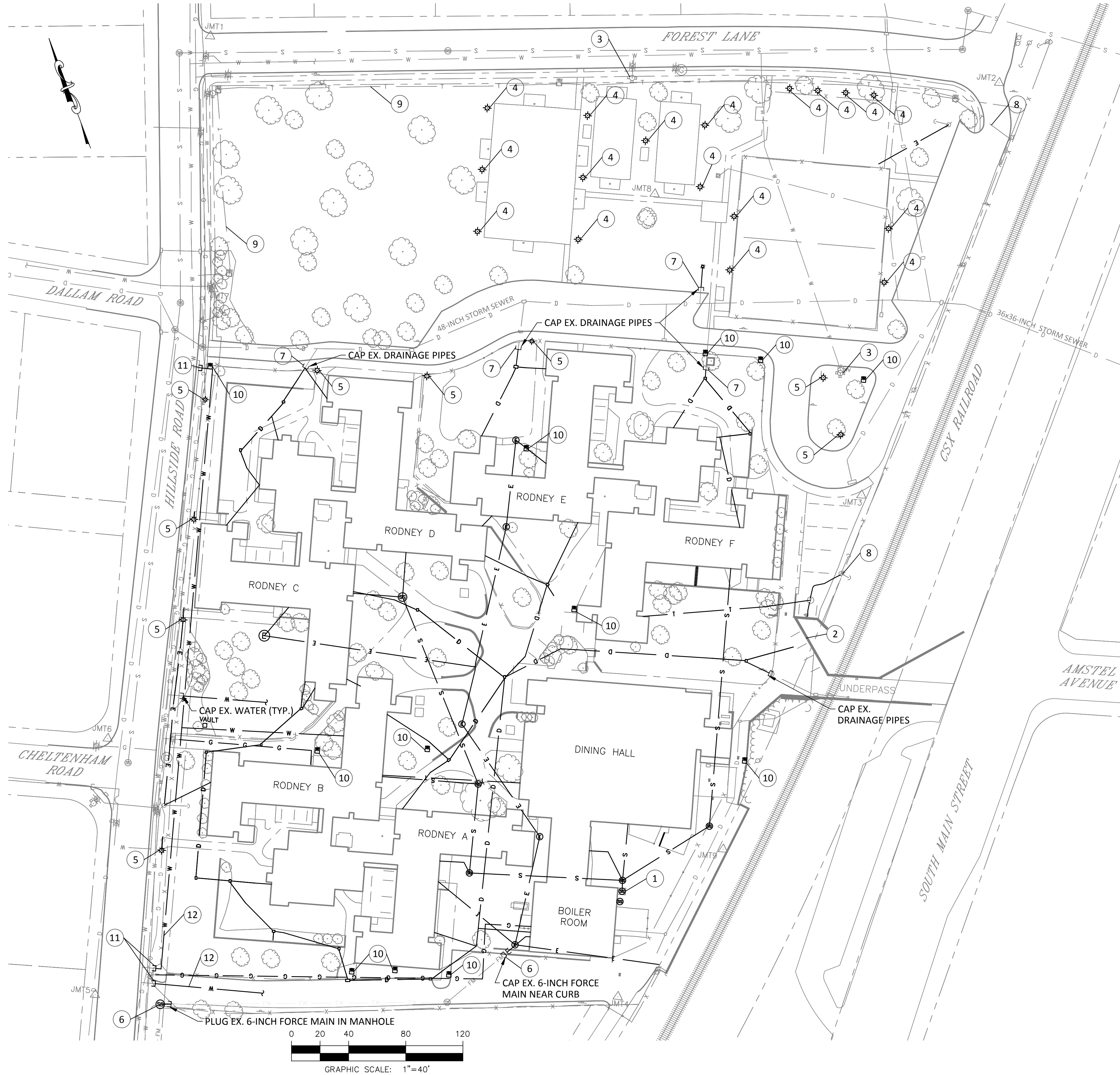
REV.	DESCRIPTION	DRAWN	DATE
1		-	-
2		-	-
3		-	-
4		-	-
5		-	-
6		-	-

PREPARED FOR:



APPROVALS	DATE
DRAWN BY: AB	4-12-19
CHECKED BY: RK	4-12-19
ENGINEER: CB	4-12-19
OPERATIONS:	
REVISION:	

CITY OF NEWARK PUBLIC WORKS & WATER RESOURCES DEPARTMENT RODNEY COMPLEX - DEMOLITION CONTRACT NO. 19-08		
SHEET TITLE: SITE CONTROLS		
SCALE: AS NOTED	DWG NO.	4
SHEET NO: 4 OF 9		



KEYED NOTES

1. REMOVE PUMP STATION PIT, EQUIPMENT, PIPING, AND APPURTENANCES.
2. REMOVE COMMUNICATION EQUIPMENT BOX ON FACE OF BRICK WALL. UNIVERSITY OF DELAWARE TO CONFIRM EXTENT OF ALL CONDUIT AND WIRE DEMOLITION PRIOR TO START OF ON-SITE COMMUNICATIONS EQUIPMENT AND CONDUIT OR CABLE DEMOLITION.
3. EXISTING FIRE HYDRANT TO REMAIN IN SERVICE THROUGHOUT DURATION OF CONTRACT.
4. REMOVE EXISTING LIGHT POLES AND HEADS STORE ON-SITE FOR OWNER'S SALVAGE.
5. REMOVE LIGHT POLES , HEADS, AND BASES.
6. CUT AND CAP EXISTING 6" FORCE MAIN. ABANDON IN PLACE FROM PUMP STATION TO DISCONNECT POINT.
7. REMOVE STORM DRAIN LATERAL TO EXISTING MANHOLE. PLUG AND PATCH INTERIOR AND EXTERIOR FACES OF MANHOLE 48" STORM DRAIN, STRUCTURES, AND COVERS TO REMAIN. PROTECT AND PRESERVE IN-SERVICE THROUGHOUT CONSTRUCTION.
8. EXISTING TO REMAIN POWER AND COMMUNICATIONS (OVERHEAD).
9. EXISTING TO REMAIN POWER AND COMMUNICATIONS (UNDERGROUND).
10. REMOVE COMMUNICATIONS HANDHOLES.
11. CONFIRM CAPPED EXISTING CITY WATER SERVICES.
12. REMOVE ALL ON-SITE WATER PIPING, VALVES, AND VALVE BOXES.

SHEET NOTES

1. CONTRACTOR MUST ENSURE THE WATER MAIN FOR REMOVAL HAS BEEN CAPPED AND ABANDONED PROPERLY BEFORE REMOVAL BEGINS.
2. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE BASED ON AVAILABLE AS-BUILT RECORDS AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK AND IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
3. TREE PROTECTION SHOWN ON SHEET 4 SHALL APPLY.
4. THE GAS SOURCE AND METER WILL BE DISCONNECTED AND CAPPED IN THE SPRING OF 2019. CONTRACTOR IS NOT RESPONSIBLE FOR GAS DISCONNECTION OR CAPPING.

LEGEND

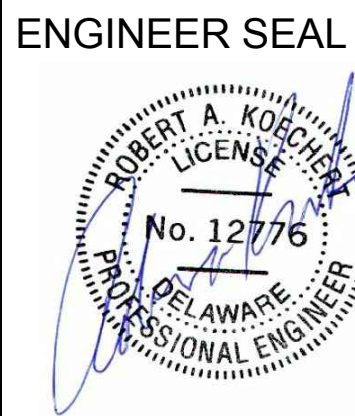
- EX. PAVEMENT
- EX. CURB
- EX. BUILDING
- EX. WALL
- EX. PARCEL LINE
- EX. SIDEWALK
- EX. CONTOUR LINE
- EX. STORM SEWER PIPE
- EX. SEWER
- EX. WATER MAIN
- EX. WATER VALVE
- EX. FENCE
- EX. TELECOMMUNICATIONS
- EX. UNDERGROUND ELECTRIC
- EX. UTILITY POLE
- EX. ELECTRIC MANHOLE
- EX. TREE
- EX. GAS MAIN
- EX. GAS VALVE
- EX. TRAVERSE POINT
- EX. STORM CATCH BASIN
- EX. HAND BOX
- EX. LIGHT
- EX. FIRE HYDRANT
- EX. SEWER MANHOLE
- PLUG PENETRATION OR CAP LINE
- REMOVE STORM SEWER PIPE
- REMOVE SEWER
- REMOVE WATER MAIN
- REMOVE TELECOMMUNICATIONS
- REMOVE UNDERGROUND ELECTRIC
- REMOVE GAS MAIN



MISS UTILITY OF
DELMARVA

BEFORE YOU DIG CALL
1-800-282-8555 (in Del.)
1-800-441-8355 (Md., Va.)
PROTECT YOURSELF. GIVE TWO
WORKING DAYS NOTICE.

PREPARED BY:
JMT
JOHNSON, MIRMIRAN & THOMPSON
Engineering A Brighter Future®
121 Continental Drive, Suite 300 Newark, DE 19713

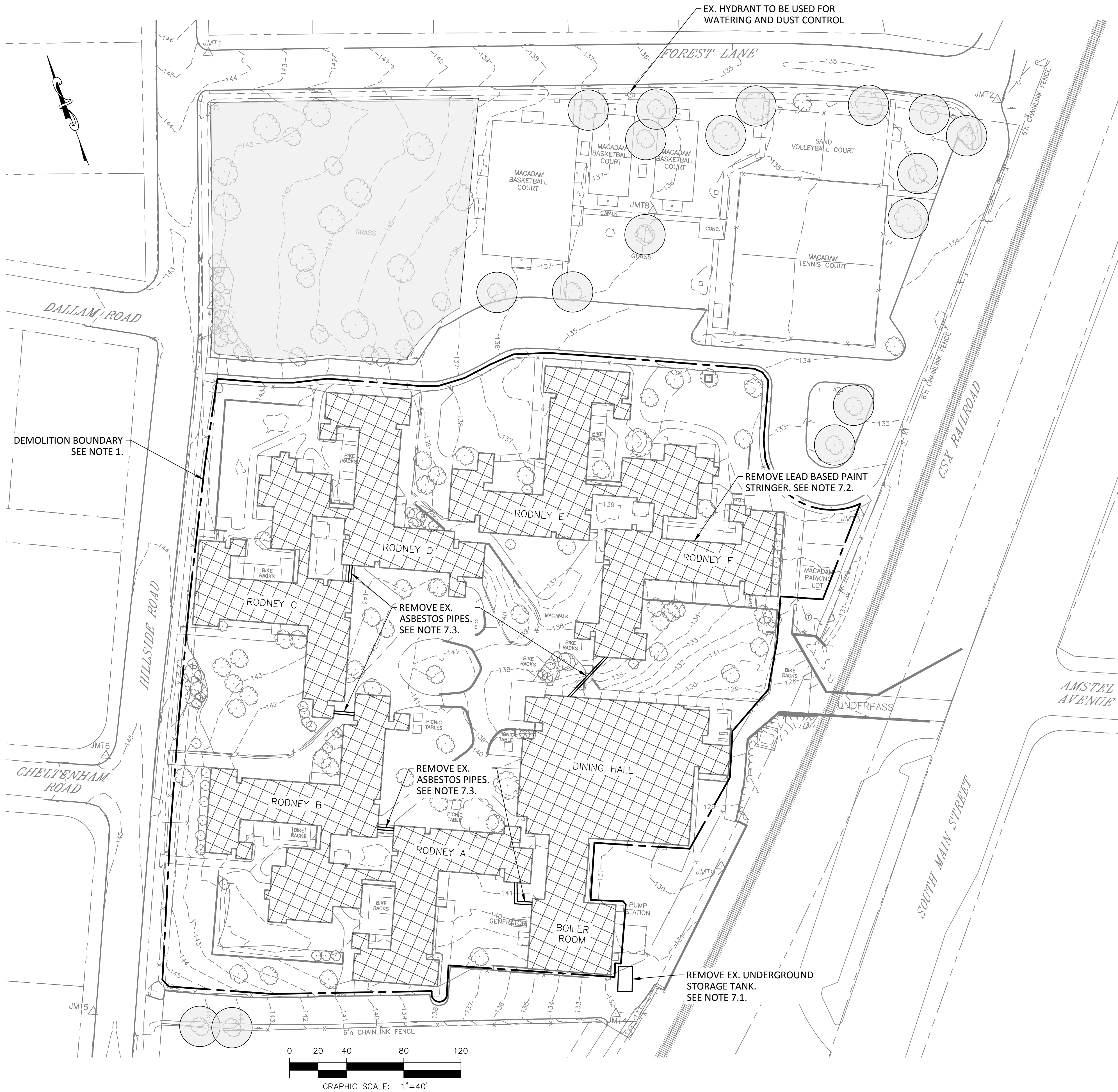


REV.	DESCRIPTION	DRAWN	DATE
1			
2			
3			
4			
5			
6			

PREPARED FOR:
NEWARK DELAWARE
Committed to Service Excellence
220 SOUTH MAIN STREET
302-366-7000

APPROVALS	DATE
DRAWN BY: AB	4-12-19
CHECKED BY: RK	4-12-19
ENGINEER: CB	4-12-19
OPERATIONS:	
REVISION:	

CITY OF NEWARK PUBLIC WORKS & WATER RESOURCES DEPARTMENT RODNEY COMPLEX - DEMOLITION CONTRACT NO. 19-08		
SHEET TITLE: UTILITY DEMOLITION PLAN		
SCALE: AS NOTED	DWG NO.	5
SHEET NO: 5 OF 9		



LEGEND

- EX. PAVEMENT
- EX. CURB
- EX. BUILDING
- EX. WALL
- EX. PARCEL LINE
- EX. SIDEWALK
- 130 —

EX. CONTOUR LINE
- D —

EX. STORM SEWER PIPE
- S —

EX. SEWER
- W —

EX. WATER MAIN
- EX. WATER VALVE
- X —

EX. FENCE
- T —

EX. TELECOMMUNICATIONS
- E —

EX. UNDERGROUND ELECTRIC
- EX. UTILITY POLE

EX. ELECTRIC MANHOLE

EX. TREE

EX. GAS MAIN

EX. GAS VALVE

EX. TRAVERSE POINT

EX. STORM CATCH BASIN

EX. HAND BOX

EX. LIGHT

EX. FIRE HYDRANT

EX. SEWER MANHOLE

HAZARDOUS MATERIALS TO BE REMOVED

DEMOLITION BOUNDARY

TREE PROTECTION AREA

BUILDING TO BE REMOVED

SHEET NOTES

1.

THIS WORK SHALL CONSIST OF THE TOTAL DEMOLITION OF ALL BUILDINGS, STRUCTURES, AND SITE IMPROVEMENTS DESIGNATED AS WELL AS THE SUBSEQUENT REMOVAL OF ALL MATERIALS AND DEBRIS FROM THE SITE. THE CONTRACTOR SHALL CONFINE ALL MOVEMENTS AND OPERATIONS TO THE LIMITS OF THE DESIGNATED PROPERTY, AND SHALL NOT DEPOSIT MATERIALS, DEBRIS, RUBBISH, OR ONTO PRIVATE PROPERTY. CONTRACTOR SHALL REMOVE ALL ITEMS WITHIN THE DASHED DEMOLITION LINE DENOTED ON THE PLANS. THIS INCLUDES BUT IS NOT LIMITED TO UNDERGROUND UTILITIES, PIPING, SIDEWALKS, CURB, LANDSCAPING PAVERS, TREES, SIGNS, ETC.
2.

THE DEMOLITION OF ANY BUILDING AND/OR STRUCTURE SHALL NOT PROCEED UNTIL A DEMOLITION PERMIT HAS BEEN ISSUES BY THE CITY OF NEWARK.
3.

THE CITY OF NEWARK DOES NOT ASSUME ANY RESPONSIBILITY FOR THE CONDITION OF THE VARIOUS BUILDINGS AND/OR LOSS OF FIXTURES, EQUIPMENT, MATERIALS, OR OTHER OBJECTS BETWEEN THE SUBMITTAL OF THE PROPOSAL AND THE TIME OF ACTUAL POSSESSION OF THE BUILDINGS BY CONTRACTOR.
4.

ALL MATERIALS OF ANY KIND REMOVED FROM WITHIN THE LIMITS OF THE PROJECT, AS WELL AS DEBRIS AND RUBBISH, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE LIMITS OF THE PROJECT AS IT ACCUMULATES AND NOT STORED THEREON UNLESS SPECIFICALLY STATED ON THESE DRAWINGS.
5.

THE CONTRACTOR SHALL INSPECT THE BUILDING INTERIOR, ROOF, BASEMENTS, CRAWLS SPACES, AND ALL OTHER SAFE ACCESSIBLE FLOORS, ROOMS, CLOSETS OR OTHER INTERIOR AREAS OF THE BUILDING FOR DEBRIS AND GARBAGE, FURNITURE, ETC. TO FAMILIARIZE THEMSELVES WITH THE BUILDINGS AND THE SITE PRIOR TO SUBMITTING A BID.
6.

CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS PRIOR TO BIDDING TO DETERMINE THE TOTAL QUANTITIES AND SCOPE OF WORK THAT IS TO OCCUR. ALL BUILDINGS INDICATED TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY INCLUDING ALL BASEMENTS, CRAWL SPACES, AND FOUNDATIONS.
7.

THE FOLLOWING MATERIALS REQUIRE SPECIAL ATTENTION WHEN REMOVING AND DEMOLISHING AND SUBJECT TO THE CONSTRAINTS LISTED HERE—IN:
- 7.1.

UNDERGROUND STORAGE TANK: GROUND PENETRATING RADAR AND A RECORDS RESEARCH INDICATED THERE IS AN UNDERGROUND STORAGE TANK AND ASSOCIATED PIPING NEAR THE BOILER ROOM. THE CONTRACTOR IS REQUIRED TO EXCAVATE AND EXPOSE THE TOP OF THE TANK. THE PROJECT INSPECTOR OR THEIR DELEGATED AGENT WILL DETERMINE THE APPROPRIATE METHOD OF REMOVAL IN ACCORDANCE WITH THE CMMP.
- 7.2.

LEAD PAINT: LEAD PAINT HAS BEEN DETECTED IN RODNEY F ALONG THE STAIR STRINGER. THE EXACT EXTENTS OF THE LEAD PAINT ON THE STRINGER HAVE BEEN IDENTIFIED AND MARKED OUT IN THE BUILDING. TORCH CUTTING OF MATERIALS COATED IN LEAD BASED PAINT IS PROHIBITED. THERE ARE NO SPECIAL DISPOSAL REQUIREMENTS FOR THE STAIR STRINGER.
- 7.3.

ASBESTOS PIPING REMOVAL: THERE IS APPROXIMATELY 110 LF OF UNDERGROUND ASBESTOS PIPING THAT MUST BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL AND STATE REGULATIONS FOR ASBESTOS PIPING. PIPING CONSISTS OF FIVE (5) 6—INCH BUNDLED PIPES. THE CONTRACTOR SHALL COORDINATE THE REMOVAL OF THE ASBESTOS PIPING WITH THE CITY'S ON SITE INSPECTOR. THE CONTRACTOR IS RESPONSIBLE FOR THE EXCAVATION AND STOCKPIILING OF THE ASBESTOS PIPING. THE CITY OF NEWARK WILL COORDINATE DISPOSAL OF THE PIPING. 48—HOUR NOTICE IS REQUIRED BEFORE THE UNDERGROUND PIPING IS REMOVED.
8.

CONTRACTOR IS RESPONSIBLE TO PROTECT ADJACENT UTILITIES SUCH AS ELECTRIC WIRES AND POLES, TELEPHONE LINES, STORM, WATER, AND SANITARY SEWER PIPING THROUGHOUT THE DURATION OF THE WORK.
9.

THE USE OF EXPLOSIVES SHALL NOT BE PERMITTED.
10.

BURNING AT THE SITE FOR DISPOSAL OF REFUSE AND DEBRIS WILL NOT BE PERMITTED.
11.

ROUGH GRADING: ANY EXCAVATION IN THE DEMOLITION PROJECT AREA SHALL BE GRADED TO ELIMINATE ANY LOW AREAS, WHERE WATER COULD ACCUMULATE, AND TO PROVIDE FOR PROPER DRAINAGE OF THE AREA. NO EXPOSED SOIL IS PERMITTED TO BE AT A SLOPE GREATER THAN 2 HORIZONTAL:1 VERTICAL.
12.

CONTRACTOR SHALL STORE ALL TOP SOIL IN THE TEMPORARY STOCKPILE AND LAYDOWN AREA SHOWN ON DRAWING 7.



MISS UTILITY
OF
DELMARVA

PREPARED BY:



ENGINEER SEAL



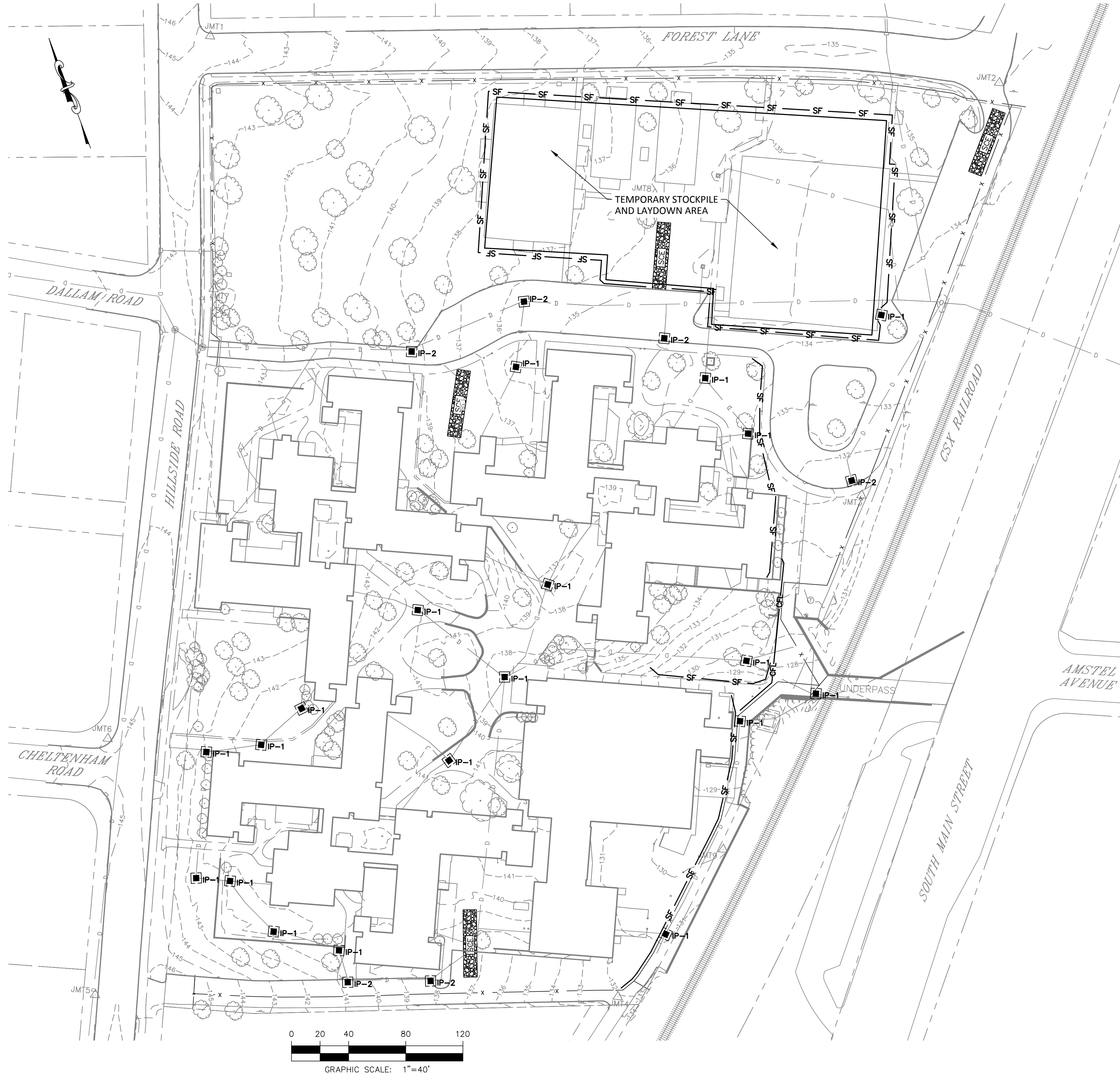
REV.	DESCRIPTION	DRAWN	DATE
1		—	—
2		—	—
3		—	—
4		—	—
5		—	—
6		—	—

PREPARED FOR:



APPROVALS	DATE
DRAWN BY: AB	4-12-19
CHECKED BY: RK	4-12-19
ENGINEER: CB	4-12-19
OPERATIONS:	
REVISION:	

CITY OF NEWARK PUBLIC WORKS & WATER RESOURCES DEPARTMENT RODNEY COMPLEX - DEMOLITION CONTRACT NO. 19-08		
SHEET TITLE: DEMOLITION PLAN		
SCALE: AS NOTED	DWG NO. 6	
SHEET NO: 6 OF 9		



LEGEND

- EX. PAVEMENT
- EX. CURB
- EX. BUILDING
- EX. WALL
- EX. PARCEL LINE
- EX. SIDEWALK
- EX. CONTOUR LINE
- EX. STORM SEWER PIPE
- EX. SEWER
- EX. WATER MAIN
- EX. WATER VALVE
- EX. FENCE
- EX. TELECOMMUNICATIONS
- EX. UNDERGROUND ELECTRIC
- EX. UTILITY POLE
- EX. ELECTRIC MANHOLE
- EX. TREE
- EX. GAS MAIN
- EX. GAS VALVE
- EX. TRAVERSE POINT
- EX. STORM CATCH BASIN
- EX. HAND BOX
- EX. LIGHT
- EX. FIRE HYDRANT
- EX. SEWER MANHOLE
- STOCKPILE AND LAYDOWN AREA
- PROP. CHAIN LINK FENCE
- PROP. STABILIZED CONSTRUCTION ENTRANCE
- PROP. INLET PROTECTION TYPE 1, IP-1
- PROP. INLET PROTECTION TYPE 2, IP-2
- PROP. SILT FENCE
- PROP. COMPOST FILTER LOG

SHEET NOTES

- STABILIZED CONSTRUCTION ENTRANCES ARE SHOWN AT RECOMMENDED LOCATIONS. CONTRACTOR MAY DETERMINE APPROPRIATE PLACEMENT DURING CONSTRUCTION, MOVING THEM AS NECESSARY. STABILIZED CONSTRUCTION ENTRANCES WILL BE PLACED WHERE CONSTRUCTION VEHICLES WILL BE LEAVING THE SITE.
- AS CONSTRUCTION PROCEEDS, TRANSITION FROM TYPE-2 INLET PROTECTION TO TYPE-1 INLET PROTECTION AS NECESSARY.



MISS UTILITY
OF
DELMARVA

PREPARED BY:

JMT
JOHNSON, MIRMIRAN & THOMPSON
Engineering A Brighter Future®
121 Continental Drive, Suite 300 Newark, DE 19713

ENGINEER SEAL



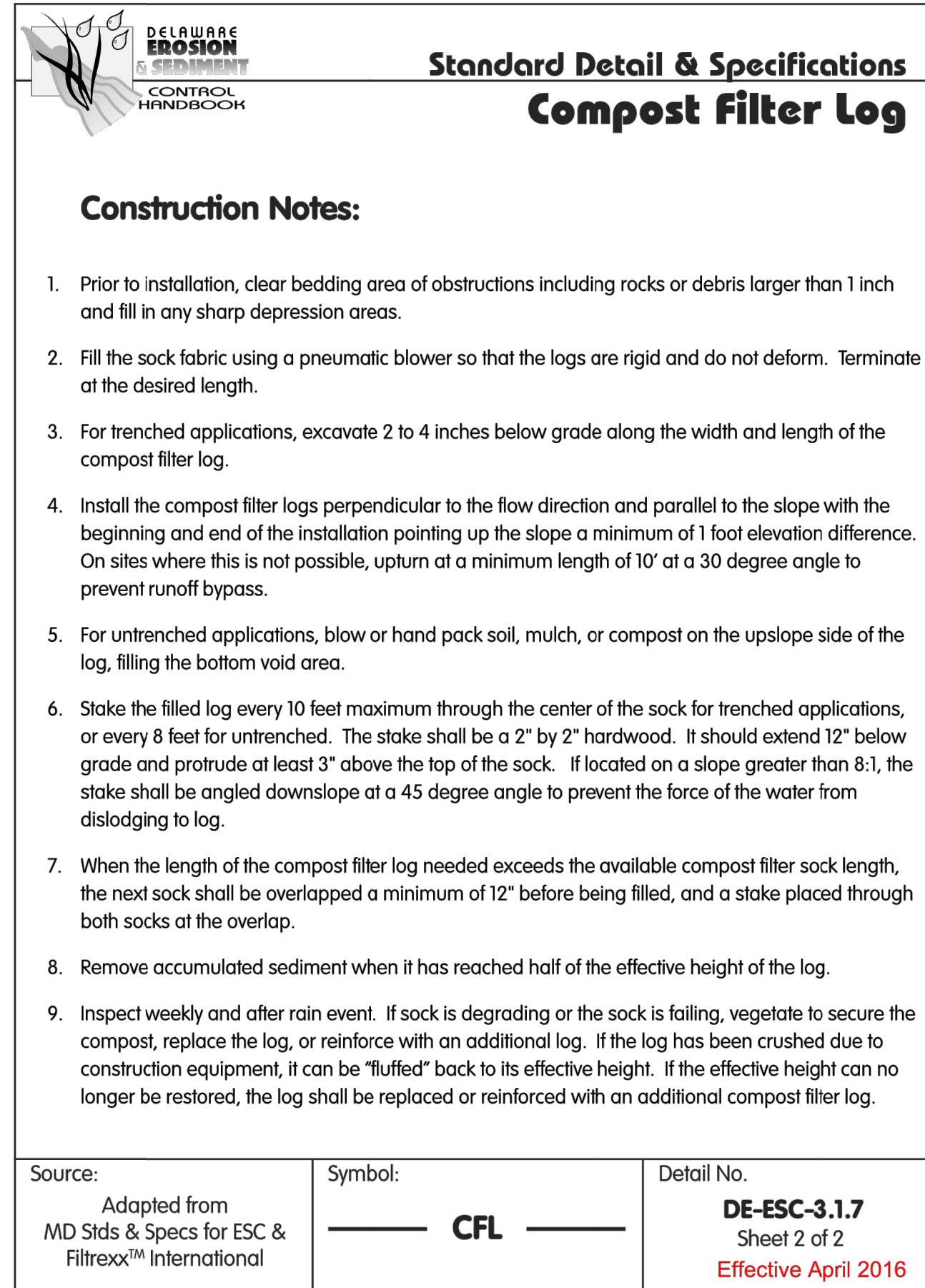
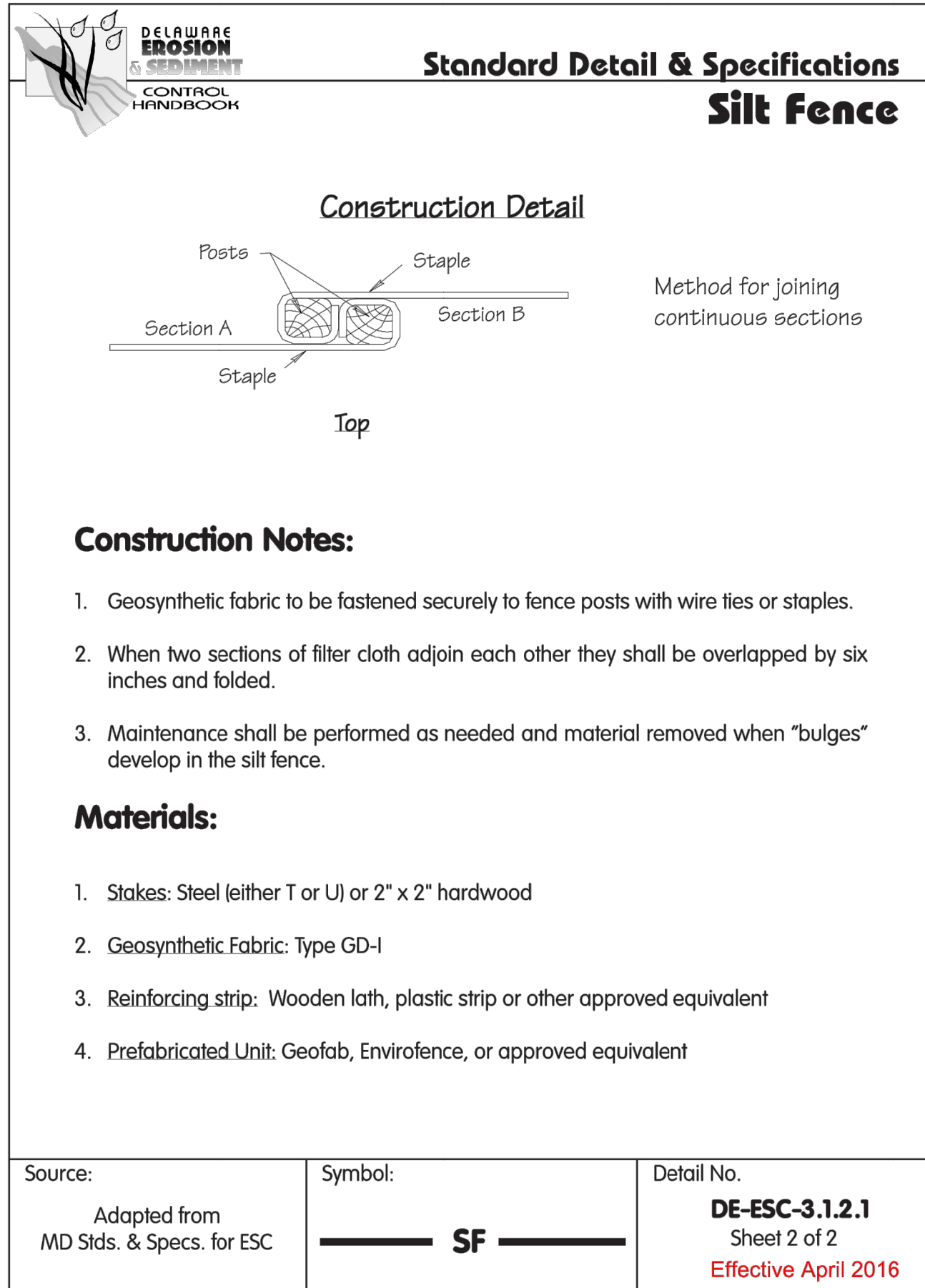
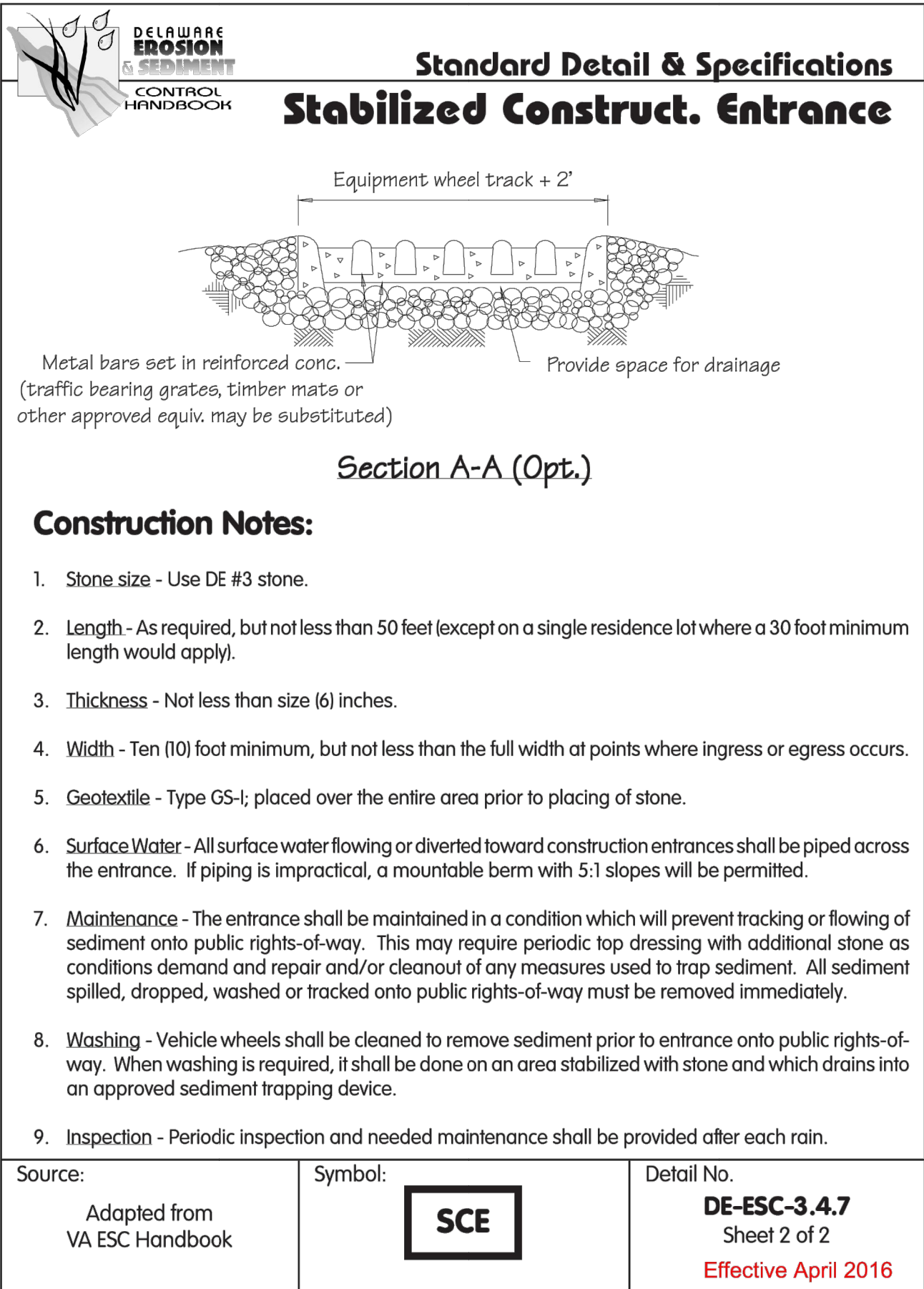
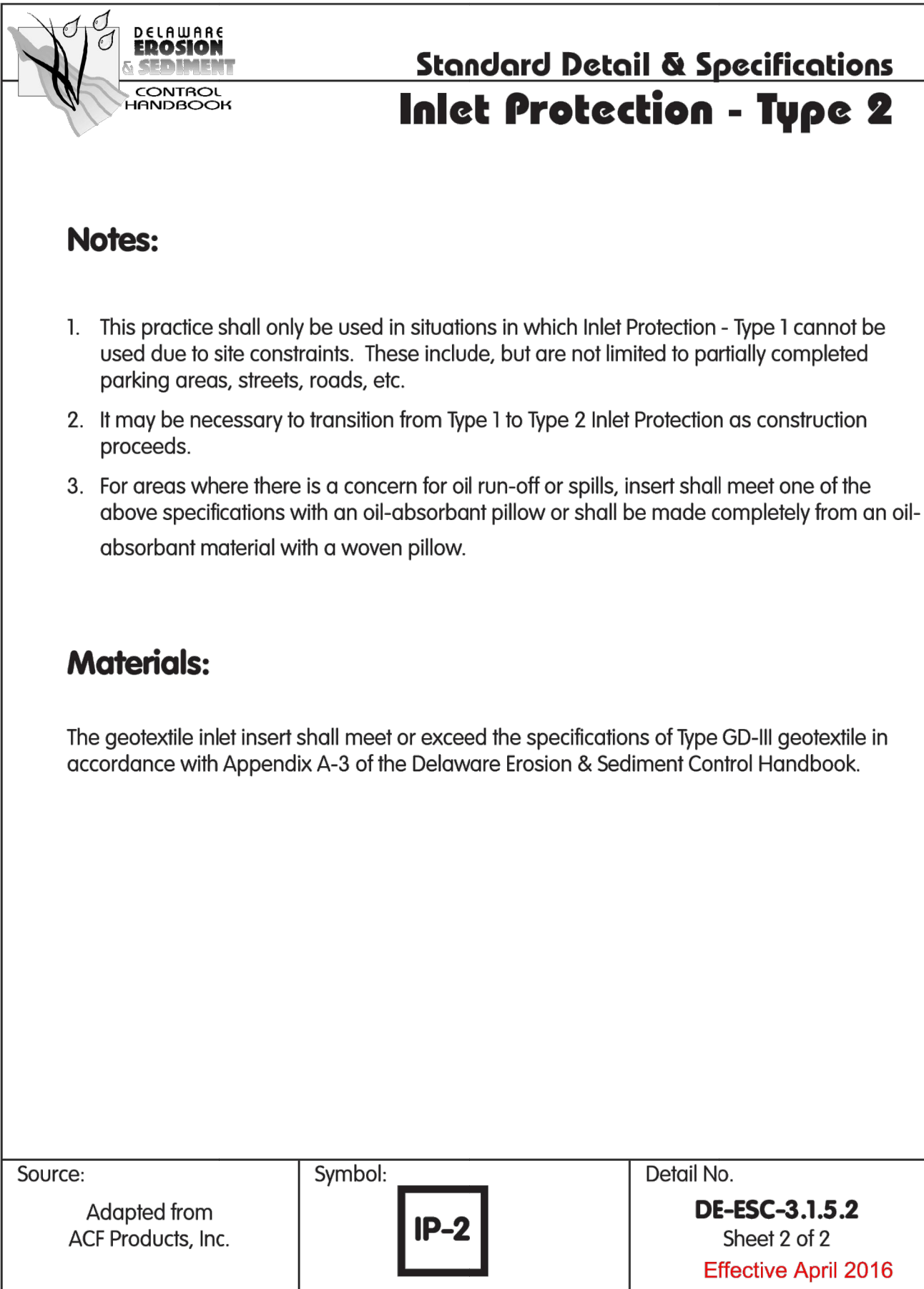
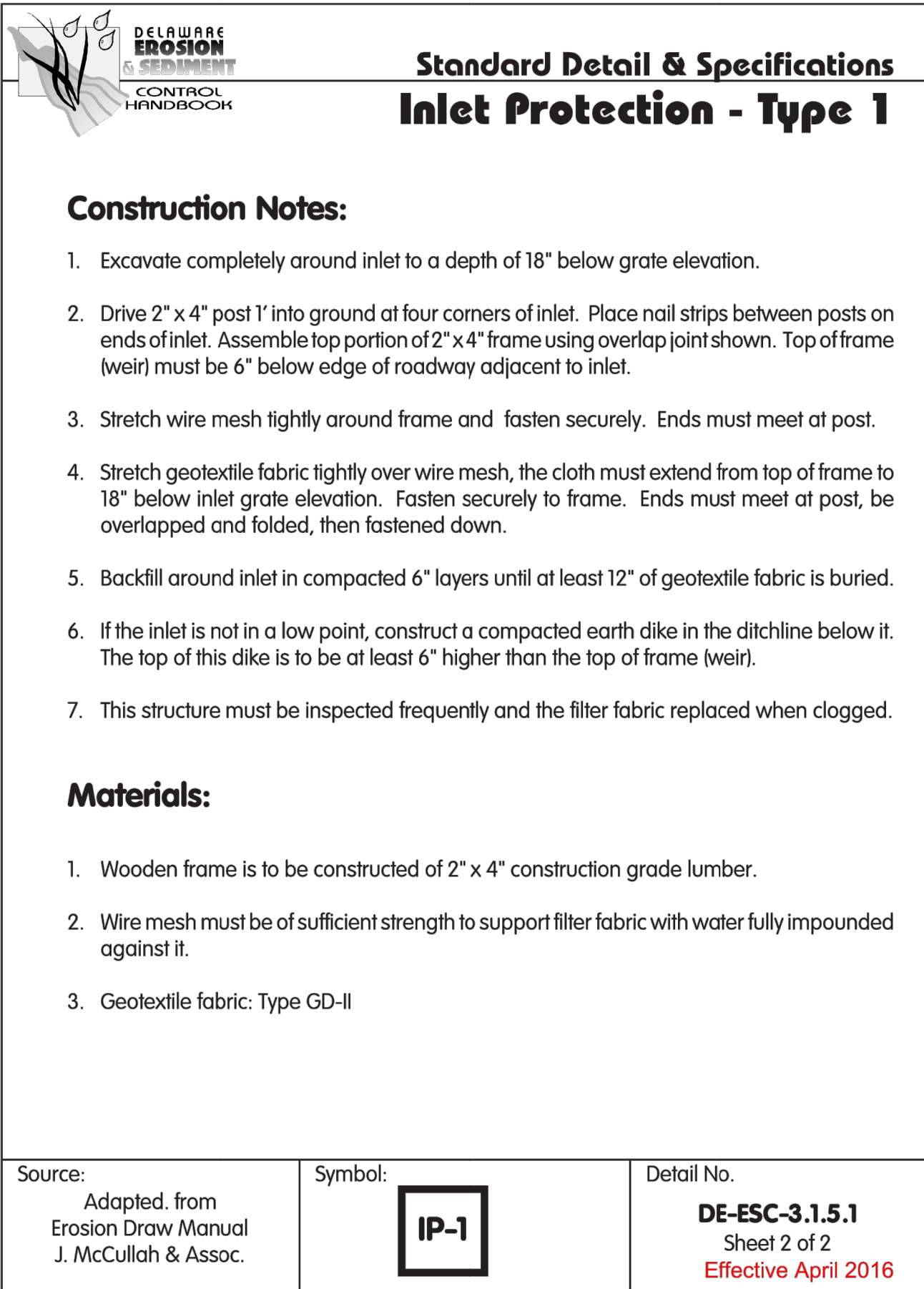
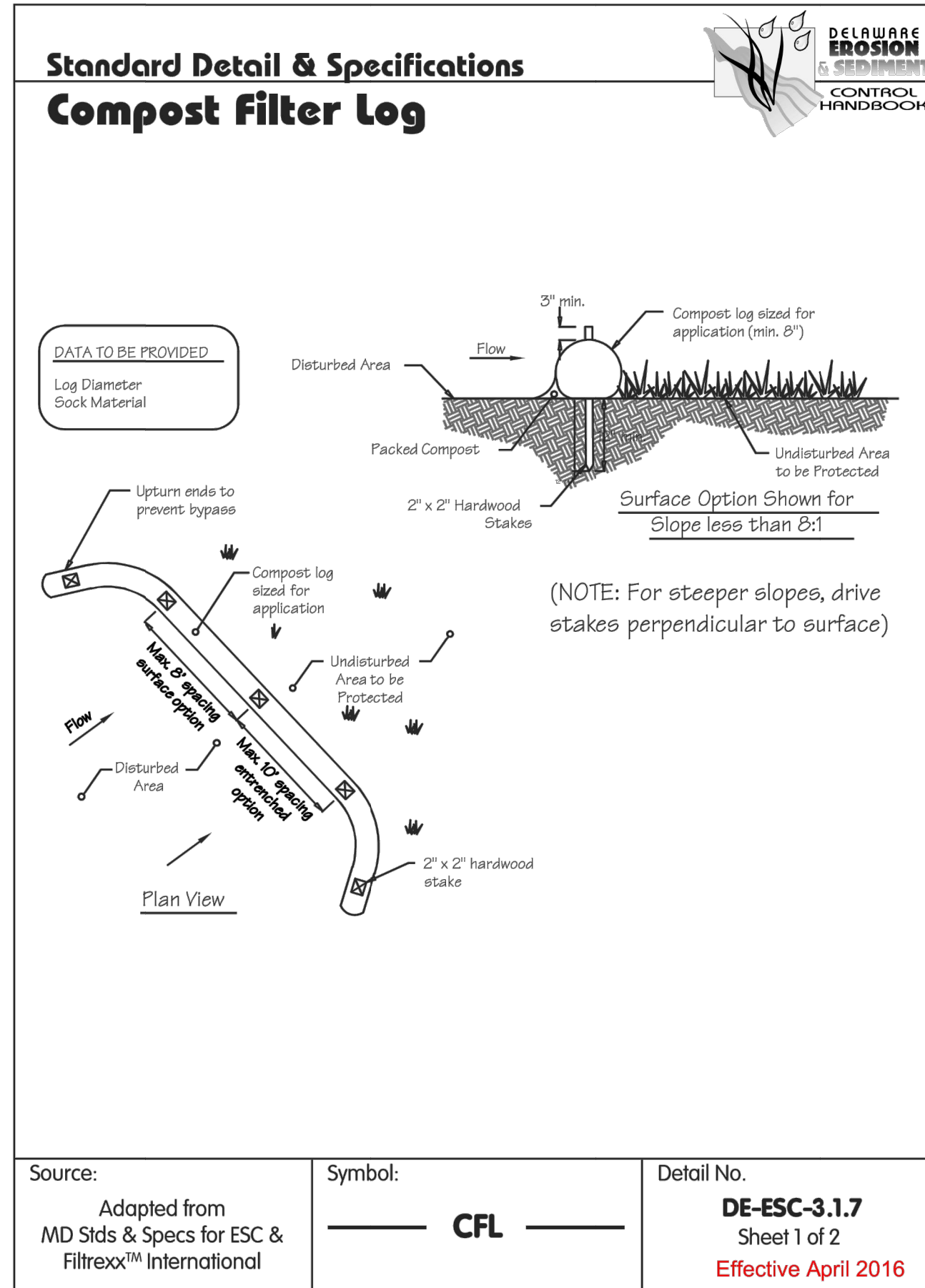
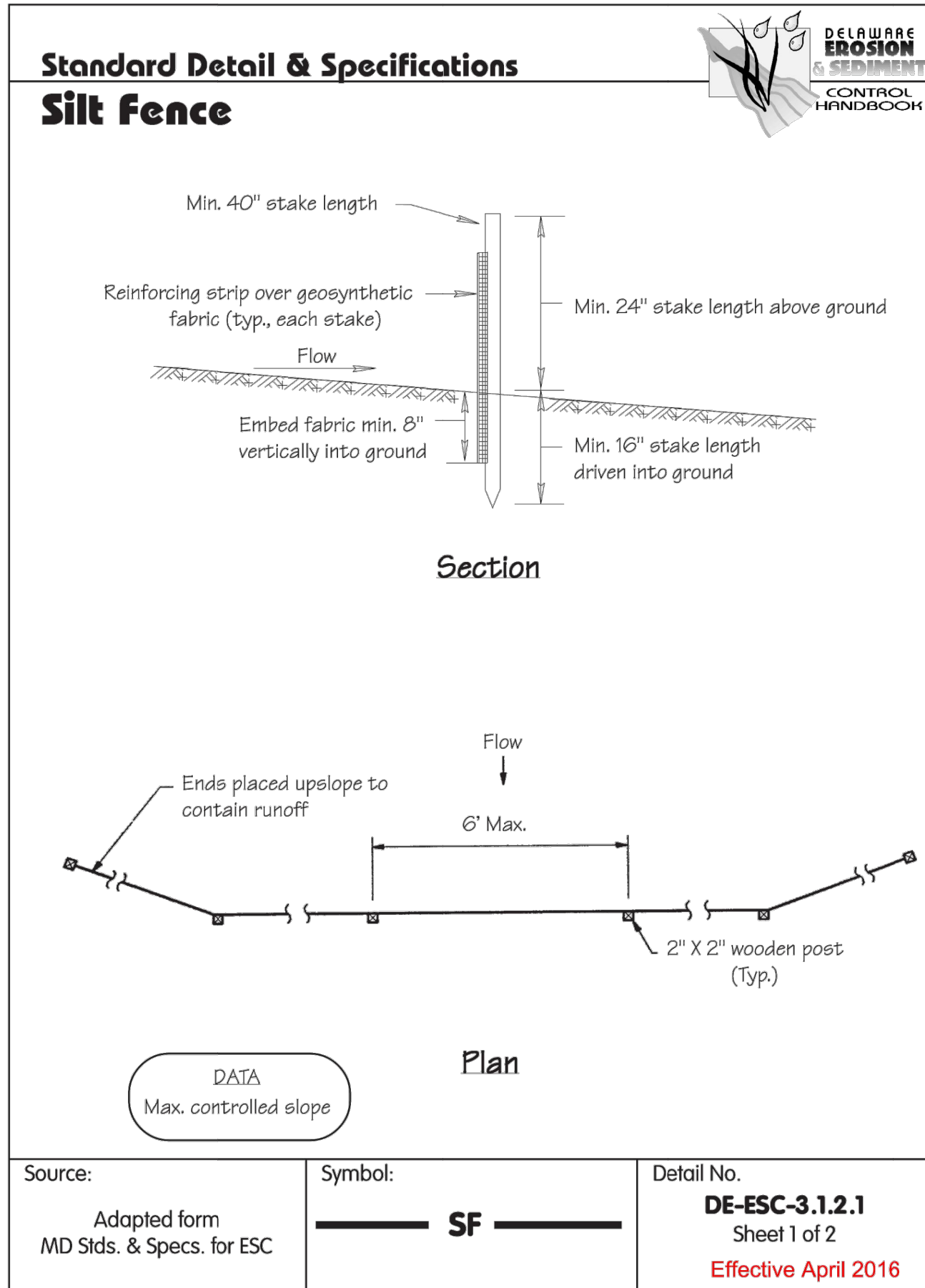
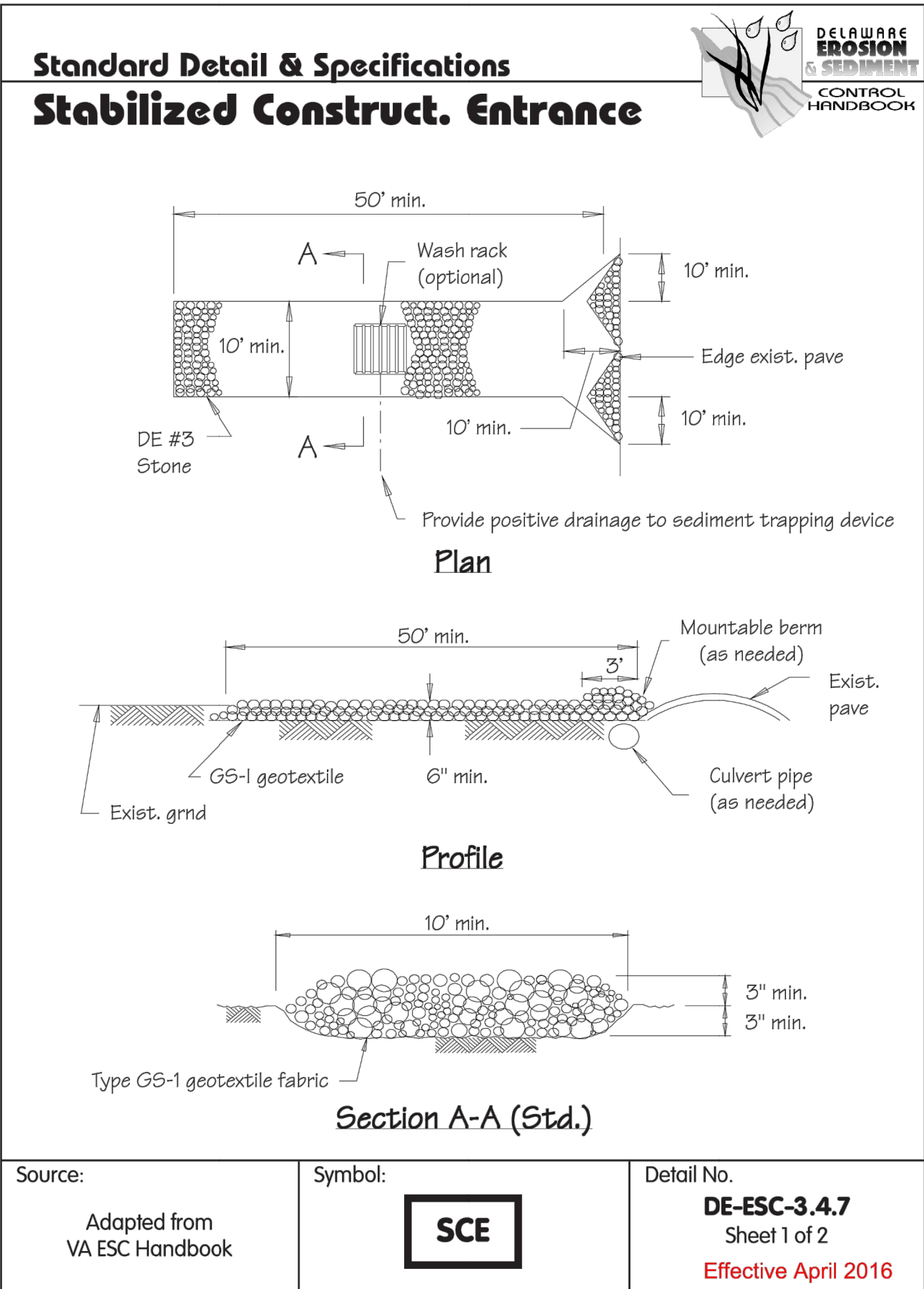
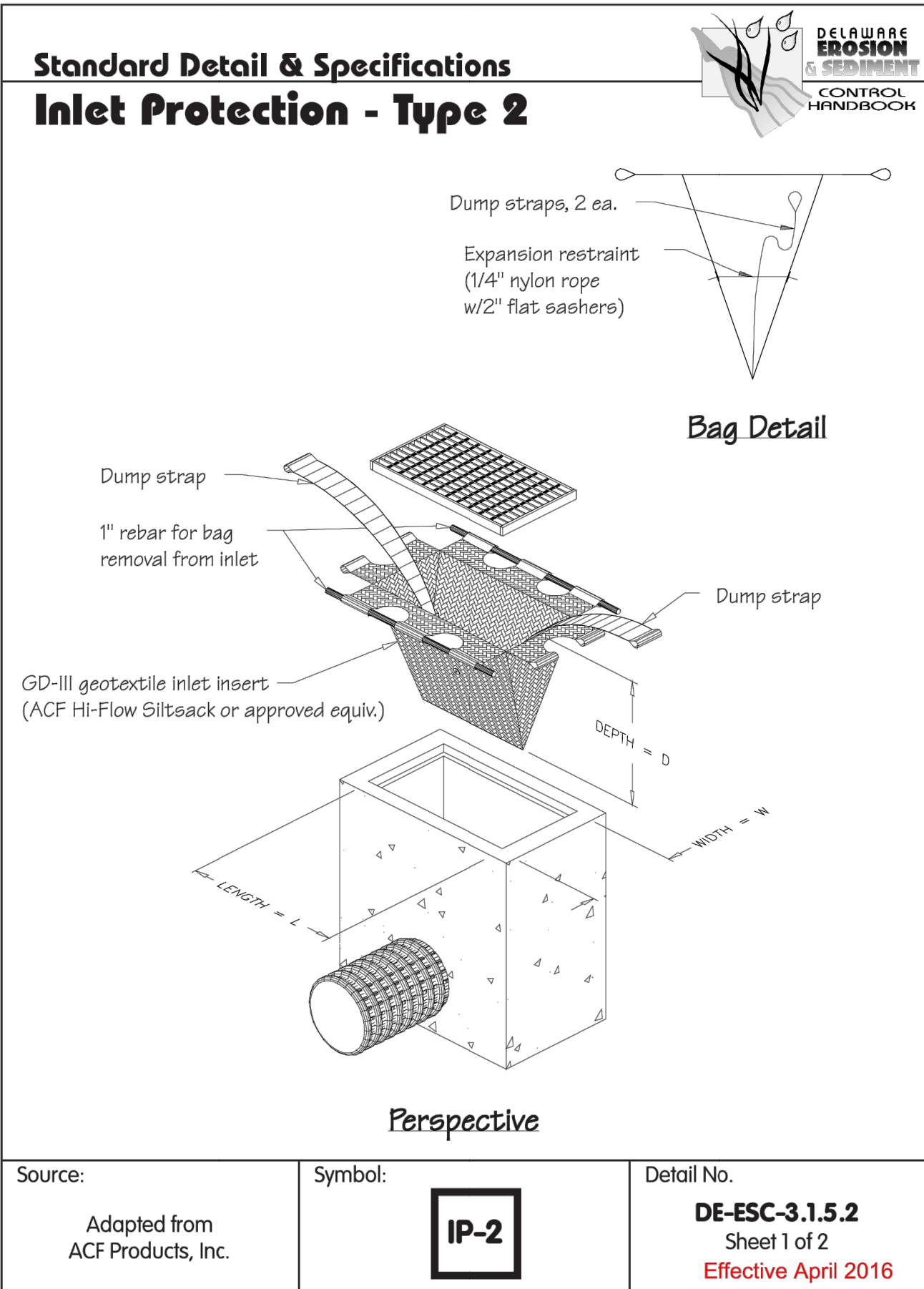
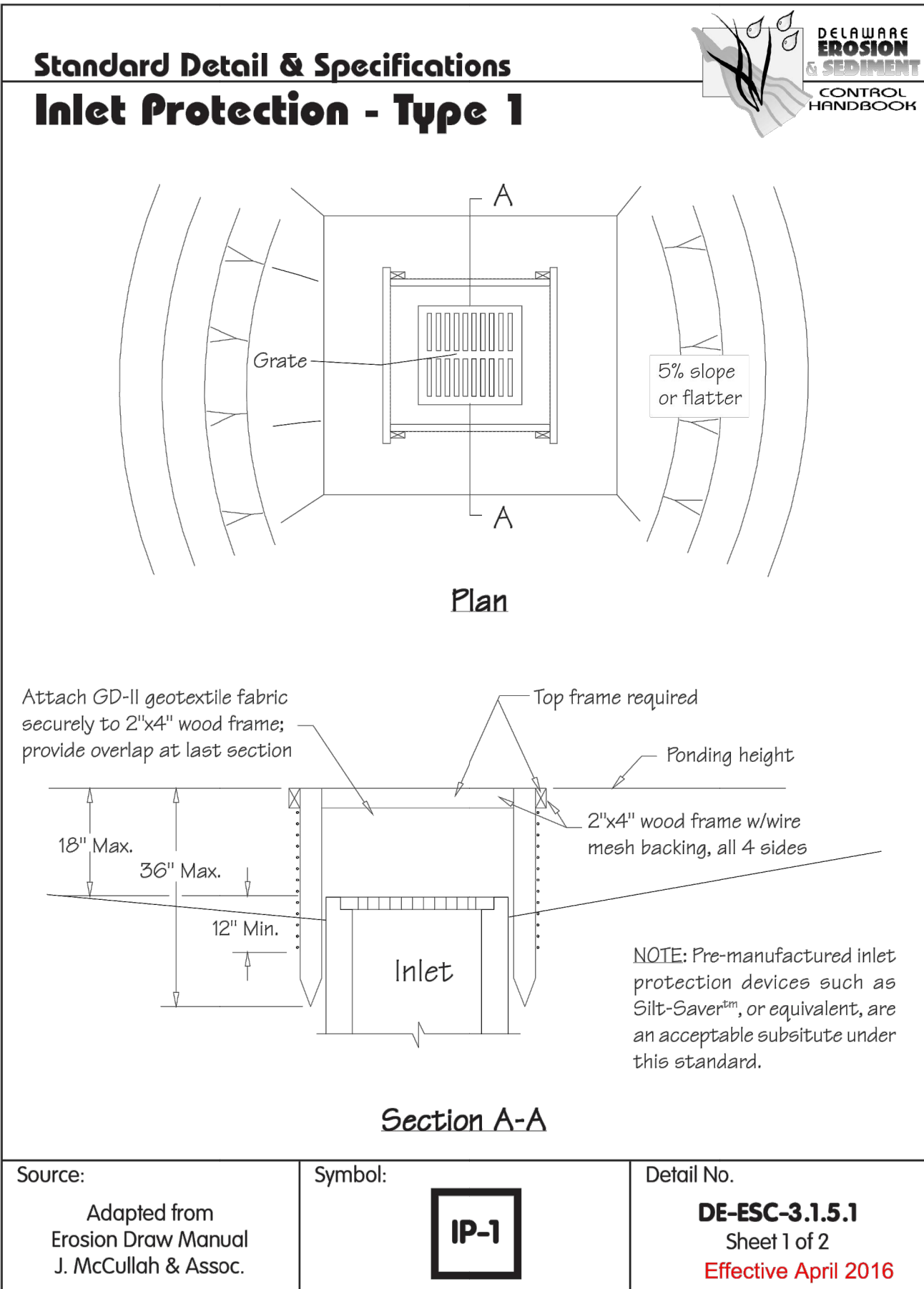
REV.	DESCRIPTION	DRAWN	DATE
1			
2			
3			
4			
5			
6			

PREPARED FOR:



APPROVALS	DATE
DRAWN BY: AB	4-12-19
CHECKED BY: RK	4-12-19
ENGINEER: CB	4-12-19
OPERATIONS:	
REVISION:	

CITY OF NEWARK PUBLIC WORKS & WATER RESOURCES DEPARTMENT RODNEY COMPLEX - DEMOLITION CONTRACT NO. 19-08		
SHEET TITLE: EROSION AND SEDIMENTATION CONTROL PLAN		
SCALE: AS NOTED	DWG NO.	7
SHEET NO: 7 OF 9		



MISS UTILITY
OF
DELMARVA

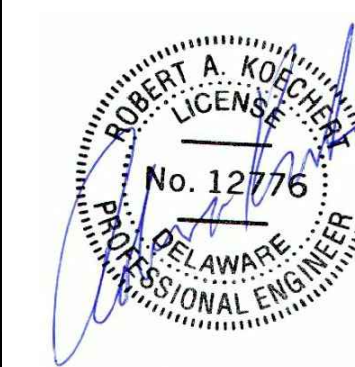
PREPARED BY:

JMT

JOHNSON, MIRMIRAN & THOMPSON
Engineering A Brighter Future®

121 Continental Drive, Suite 300 Newark, DE 19713

ENGINEER SEAL



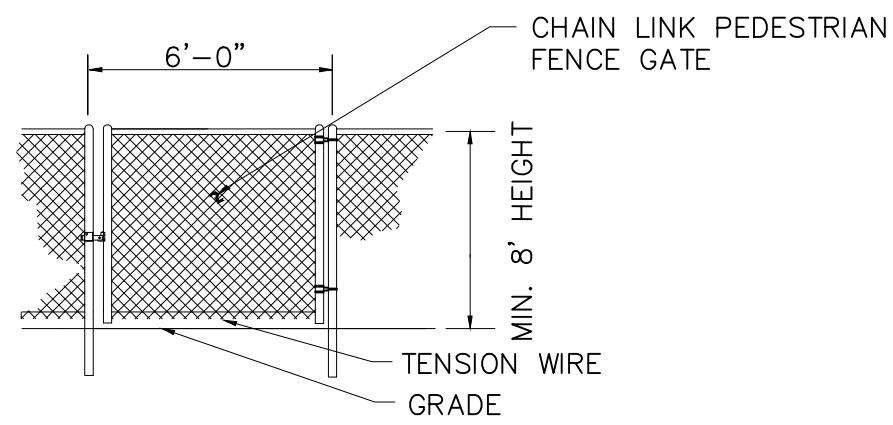
REV.	DESCRIPTION	DRAWN	DATE
1	—	—	—
2	—	—	—
3	—	—	—
4	—	—	—
5	—	—	—
6	—	—	—

PREPARED FOR:

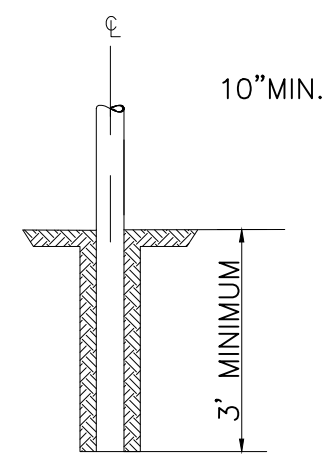
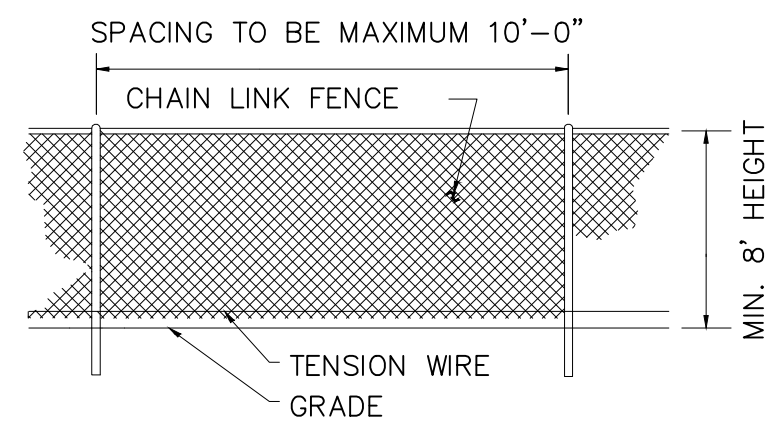


APPROVALS	DATE
DRAWN BY: AB	4-12-19
CHECKED BY: RK	4-12-19
ENGINEER: CB	4-12-19
OPERATIONS:	
REVISION:	

CITY OF NEWARK PUBLIC WORKS & WATER RESOURCES DEPARTMENT RODNEY COMPLEX - DEMOLITION CONTRACT NO. 19-08	
SHEET TITLE: EROSION & SEDIMENTATION CONTROL DETAILS	
SCALE: AS NOTED	DWG NO. 8
SHEET NO: 8 OF 9	



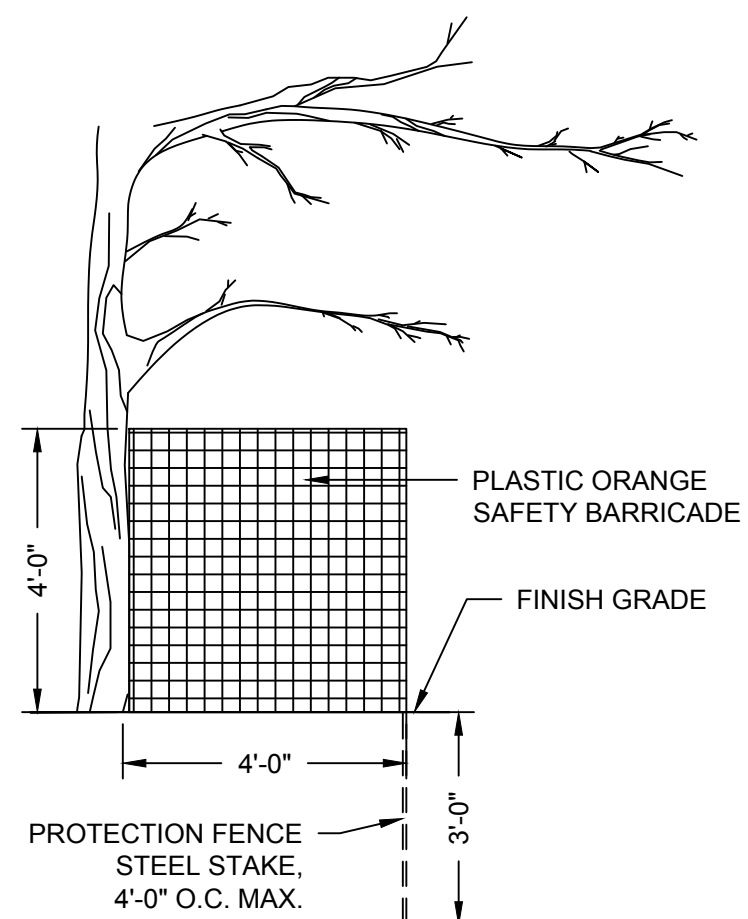
1. LATCH CLEARANCE SHALL BE 3 INCHES.
2. HINGE CLEARANCE SHALL BE 2 $\frac{3}{8}$ INCHES.



POST INSTALLATION ALONG CHANNEL

1. REFER TO DRAWINGS AND SPECIFICATIONS FOR GATE INFORMATION.
2. MINIMUM 8' HIGH FENCE REQUIRED

SCALE: N.T.S.



TREE PROTECTION FENCE

NOT TO SCALE

1. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED WITH TREE PROTECTION FENCING. LOCATION OF TREE PROTECTION FENCE IS INDICATED ON DRAWINGS.
2. TREE PROTECTION FENCE SHALL BE MAINTAINED FOR THE DURATION OF THE CONSTRUCTION PROCESS, AND LEFT IN PLACE AFTER PROJECT COMPLETION. IF TREE PROTECTION IS MOVED OR REMOVED FOR THE INSTALLATION OF THE WORK REPLACE IT IMMEDIATELY AT THE COMPLETION OF THE WORK.
3. EXERCISE EXTREME CAUTION IN REMOVING PAVEMENT WITHIN DRIP LINE OF EXISTING TREES TO REMAIN.
4. EXERCISE EXTREME CAUTION WHEN REMOVING TREES, ADJACENT TO EXISTING TREES. DO NOT USE HAND METHODS IN CANOPIES AND ROOT ZONES OF EXISTING TREES.
5. TRENCHING OR EXCAVATION WITHIN THE TREE PROTECTION FENCE SHALL BE COMPLETED WITH EXTREME CARE. USE HAND TOOLS ONLY.
6. AVOID DAMAGING EXISTING TREES. DAMAGE INCLUDES BUT IS NOT LIMITED TO: CUTTING, BREAKING, SKINNING OR COMPACTING OF BARK, SKINNING AND BRUISING OF BARK AND BREAKING OF BRANCHES AND LIMBS.
7. CONTRACTOR SHALL NOT PARK OR STORE EQUIPMENT AND SUPPLIES WITHIN THE TREE PROTECTION FENCING.



BEFORE YOU DIG CALL
1-800-282-8555 (in Del.)
1-800-441-8355 (Md., Va.)
**PROTECT YOURSELF, GIVE TWO
WORKING DAYS NOTICE**



JOHNSON, MIRMIRAN & THOMPSON
Engineering A Brighter Future®

121 Continental Drive, Suite 300 Newark, DE 19713

A circular professional engineer seal for Robert A. Koehler, License No. 12776, State of Delaware. The seal features the text "ROBERT A. KOEHLER" at the top, "LICENSE" in the center, "No. 12776" below the license word, "DELAWARE" at the bottom, and "PROFESSIONAL ENGINEER" around the perimeter. A blue ink signature is written across the seal.



220 SOUTH MAIN STREET
302-366-7000

CITY OF NEWARK
PUBLIC WORKS & WATER RESOURCES DEPARTMENT
RODNEY COMPLEX - DEMOLITION
CONTRACT NO. 19-08

SHEET TITLE:	GENERAL DETAILS
--------------	-----------------

SCALE: AS NOTED

SHEET NO: 9 OF 9

DWG NO.

9